

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

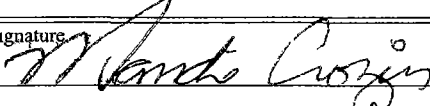
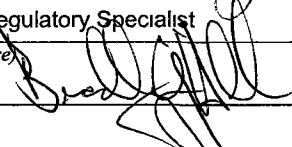
FORM APPROVED  
OMB No 1004-0136  
Expires January 31, 2004

1a Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5 Lease Serial No UTU-65210
1b Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone			6 If Indian, Allottee or Tribe Name N/A
2 Name of Operator Newfield Production Company			7 If Unit or CA Agreement, Name and No Blackjack Unit
3a Address Route #3 Box 3630, Myton UT 84052			8 Lease Name and Well No Blackjack Federal G-10-9-17
3b Phone No (include area code) (435) 646-3721			9 API Well No 43-013-33919
4 Location of Well (Report location clearly and in accordance with any State requirements *) At surface SW/NW 1996' FNL 634' FWL At proposed prod zone 1220' FNL 1210' FWL NW/NW			10 Field and Pool, or Exploratory Monument Butte
11 Sec, T, R, M, or Blk and Survey or Area Sec 10, T9S R17E			12 County or Parish Duchesne
13 State UT			
14 Distance in miles and direction from nearest town or post office* Approximatley 13.8 miles southeast of Myton, Utah			
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any) Approx 1210' f/line, 2750' f/unit			16 No of Acres in lease 240.00
17 Spacing Unit dedicated to this well 20 Acres			
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft Approx 1366'			19 Proposed Depth 5900'
20 BLM/BIA Bond No on file WYB000493			
21 Elevations (Show whether DF, KDB, RT, GL, etc) 5159' GL			22 Approximate date work will start* 2nd Quarter 2008
23 Estimated duration Approximately seven (7) days from spud to ng release			

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form

- |  |  |
|--|--|
| 1 Well plat certified by a registered surveyor   | 4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)    |
| 2 A Drilling Plan  | 5 Operator certification   |
| 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6 Such other site specific information and/or plans as may be required by the authorized officer |

25 Signature 	Name (Printed/Typed) Mandie Crozier	Date 2/29/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 03-20-08
Title Office	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon  
Conditions of approval, if any, are attached.

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

\*(Instructions on reverse)

Surf Federal Approval of this Action is Necessary DHC

585370X  
44332734  
40.047266  
-109.999219

585544X  
44335114  
40.049338  
-109.997157

RECEIVED

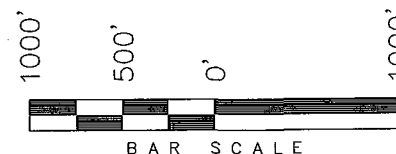
MAR 06 2008

DIV. OF OIL, GAS & MINING

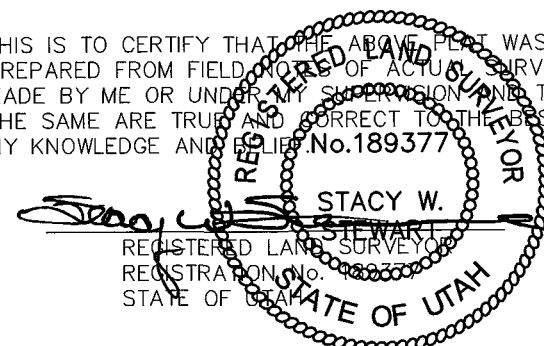
**T9S, R17E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, BLACKJACK G-10-9-17,  
LOCATED AS SHOWN IN THE SW 1/4 NW  
1/4 OF SECTION 10, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



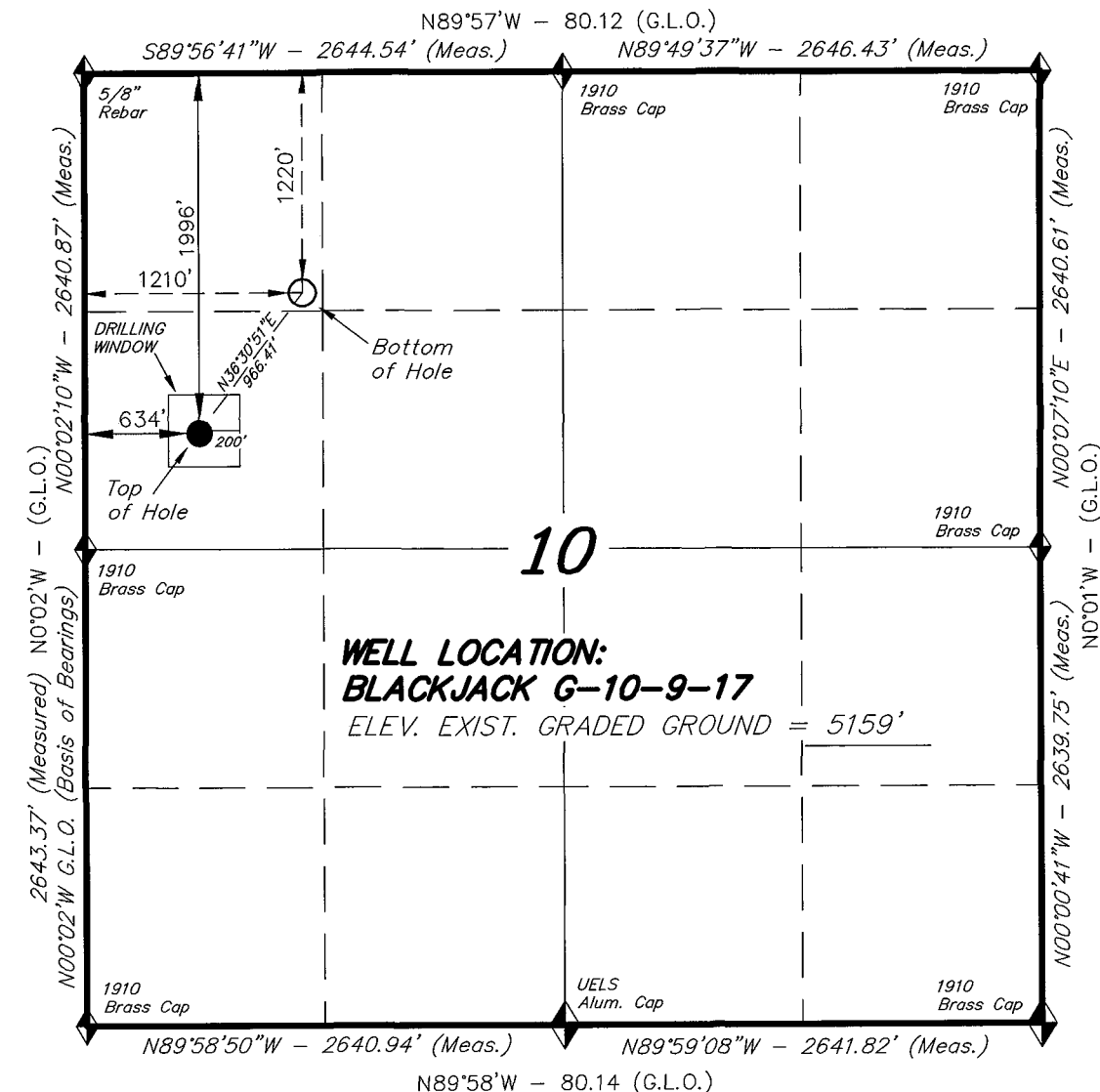
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 11-27-07	SURVEYED BY: T.H.
DATE DRAWN: 12-11-07	DRAWN BY: F.T.M.
REVISED: 02-08-08 L.C.S.	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**BLACKJACK G-10-9-17**  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 50.02"  
LONGITUDE = 109° 59' 59.70"

NEWFIELD PRODUCTION COMPANY  
BLACKJACK FEDERAL #G-10-9-17  
AT SURFACE: SW/NW SECTION 10, T9S, R17E  
DUCHESE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1331'
Green River	1331'
Wasatch	5900'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1331' – 5900' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
BLACKJACK FEDERAL #G-10-9-17  
AT SURFACE: SW/NW SECTION 10, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Blackjack Federal #G-10-9-17 located in the SW 1/4 NW 1/4 Section 10, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 12.4 miles  $\pm$  to the existing Balcron Monument Fed. 12-10Y-9-17 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Balcron Monument Fed. 12-10Y-9-17 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Balcron Monument Fed. 12-10Y-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Blackjack Federal G-10-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Blackjack Federal G-10-9-17 will be drilled off of the existing Balcron Monument Fed. 12-10Y-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Blackjack Federal G-10-9-17.

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.25 lbs/acre

**Details of the On-Site Inspection**

The proposed Blackjack Federal G-10-9-17 was on-sited on 1/15/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management).. Weather conditions were clear and the ground was covered by snow.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

**Representative**

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

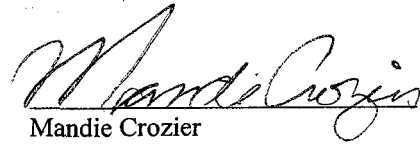
**Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #G-10-9-17 SW/NW Section 10, Township 9S, Range 17E: Lease UTU-65210 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/29/08

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UTNAD83 UTC  
Site: Blackjack  
Well: Blackjack G-10-9-17  
Wellbore: OH  
Design: Plan #1

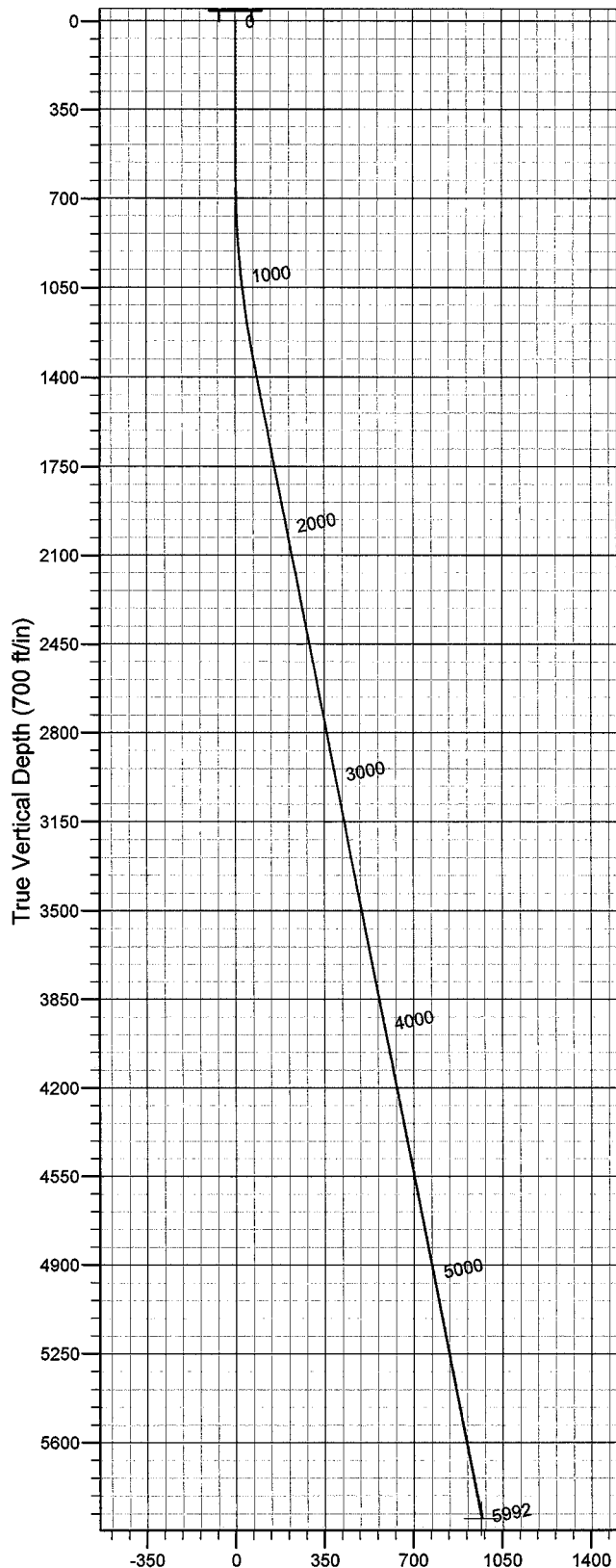


Azimuths to True North  
Magnetic North: 11.70°

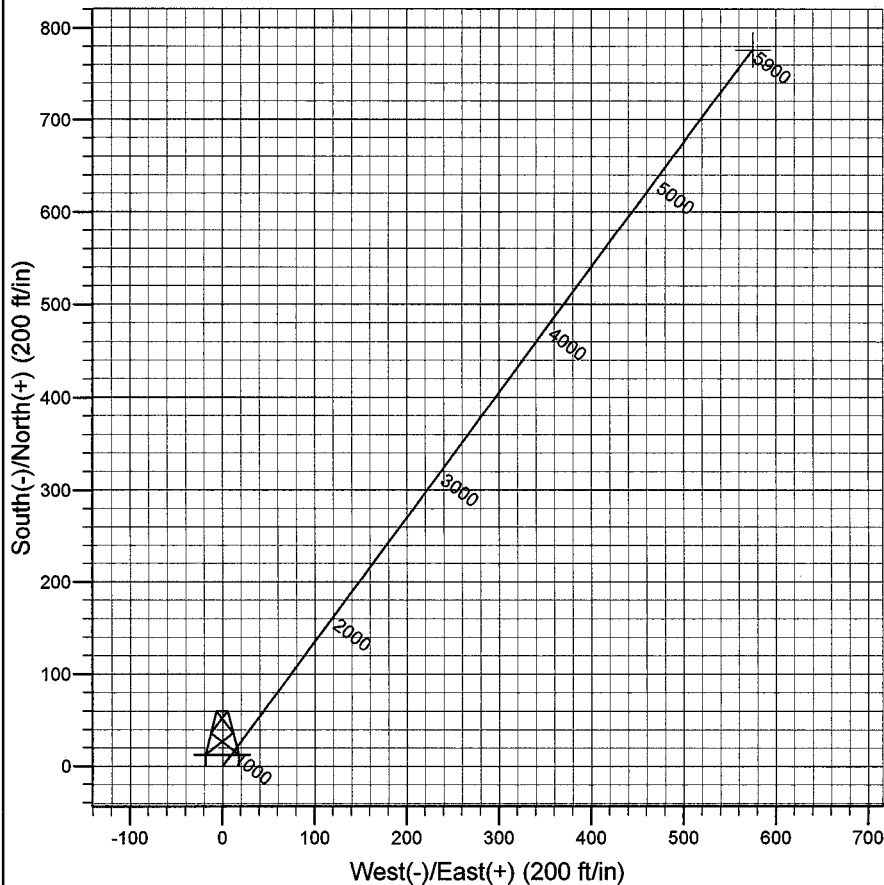
Magnetic Field  
Strength: 52635.7snT  
Dip Angle: 65.90°  
Date: 2008-02-17  
Model: IGRF2005-10

WELL DETAILS: Blackjack G-10-9-17

GL 5159' & RKB 12' @ 5171.00ft 5159.00  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.00 0.00 7189462.25 2060339.67 40° 2' 50.020 N 109° 59' 59.700 W



Vertical Section at 36.51° (700 ft/in)



Plan: Plan #1 (Blackjack G-10-9-17/OH)

Created By: Julie Cruse Date: 2008-02-17

PROJECT DETAILS: Duchesne County, UTNAD83 UTC

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location:  
System Datum: Mean Sea Level  
Local North: True North

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	2600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
	3339.52	11.09	36.51	1334.91	57.36	42.46	1.50	36.51	71.37	
	4991.53	11.09	36.51	5900.00	776.75	574.98	0.00	0.00	966.41	BJ G-10-9-17 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UTNAD83 UTC**

**Blackjack**

**Blackjack G-10-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**17 February, 2008**



# Scientific Drilling Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UTMAD83 UTC  
**Site:** Blackjack  
**Well:** Blackjack G-10-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Blackjack G-10-9-17  
**TVD Reference:** GL 5159' & RKB 12' @ 5171.00ft  
**MD Reference:** GL 5159' & RKB 12' @ 5171.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Project** Duchesne County, UTMAD83 UTC

**Map System:** US State Plane 1983  
**Geo Datum:** North American Datum 1983  
**Map Zone:** Utah Central Zone  
**System Datum:** Mean Sea Level

**Site** Blackjack,

**Site Position:** Northing: 7,188,214.16 ft Latitude: 40° 2' 37.900 N  
**From:** Lat/Long Easting: 2,059,050.06 ft Longitude: 110° 0' 16.550 W  
**Position Uncertainty:** 0.00 ft Slot Radius: in Grid Convergence: 0.96 °

**Well** Blackjack G-10-9-17, 1996' FNL 634' FWL Sec 10 T9S R17E

**Well Position** +N/-S 0.00 ft Northing: 7,189,462.25 ft Latitude: 40° 2' 50.020 N  
+/-E-W 0.00 ft Easting: 2,060,339.67 ft Longitude: 109° 59' 59.700 W  
**Position Uncertainty** 0.00 ft Wellhead Elevation: ft Ground Level: 5,159.00 ft

**Wellbore** OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-02-17	11.70	65.90	52,636

**Design** Plan #1

**Audit Notes:**

**Version:** Phase: PLAN Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	36.51

**Plan Sections**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,339.52	11.09	36.51	1,334.91	57.36	42.46	1.50	1.50	0.00	36.51	
5,991.53	11.09	36.51	5,900.00	776.75	574.98	0.00	0.00	0.00	0.00	BJ G-10-9-17 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UTNAD83 UTC  
**Site:** Blackjack  
**Well:** Blackjack G-10-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Blackjack G-10-9-17  
**TVD Reference:** GL 5159' & RKB 12' @ 5171.00ft  
**MD Reference:** GL 5159' & RKB 12' @ 5171.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	36.51	699.99	1.05	0.78	1.31	1.50	1.50	0.00
800.00	3.00	36.51	799.91	4.21	3.11	5.23	1.50	1.50	0.00
900.00	4.50	36.51	899.69	9.46	7.01	11.77	1.50	1.50	0.00
1,000.00	6.00	36.51	999.27	16.82	12.45	20.92	1.50	1.50	0.00
1,100.00	7.50	36.51	1,098.57	26.27	19.44	32.68	1.50	1.50	0.00
1,200.00	9.00	36.51	1,197.54	37.80	27.98	47.03	1.50	1.50	0.00
1,300.00	10.50	36.51	1,296.09	51.41	38.05	63.96	1.50	1.50	0.00
1,339.52	11.09	36.51	1,334.91	57.36	42.46	71.37	1.50	1.50	0.00
1,400.00	11.09	36.51	1,394.26	66.71	49.38	83.00	0.00	0.00	0.00
1,500.00	11.09	36.51	1,492.39	82.18	60.83	102.24	0.00	0.00	0.00
1,600.00	11.09	36.51	1,590.52	97.64	72.28	121.48	0.00	0.00	0.00
1,700.00	11.09	36.51	1,688.65	113.10	83.72	140.72	0.00	0.00	0.00
1,800.00	11.09	36.51	1,786.79	128.57	95.17	159.96	0.00	0.00	0.00
1,900.00	11.09	36.51	1,884.92	144.03	106.62	179.20	0.00	0.00	0.00
2,000.00	11.09	36.51	1,983.05	159.50	118.06	198.44	0.00	0.00	0.00
2,100.00	11.09	36.51	2,081.18	174.96	129.51	217.68	0.00	0.00	0.00
2,200.00	11.09	36.51	2,179.31	190.43	140.96	236.92	0.00	0.00	0.00
2,300.00	11.09	36.51	2,277.44	205.89	152.41	256.16	0.00	0.00	0.00
2,400.00	11.09	36.51	2,375.58	221.35	163.85	275.40	0.00	0.00	0.00
2,500.00	11.09	36.51	2,473.71	236.82	175.30	294.64	0.00	0.00	0.00
2,600.00	11.09	36.51	2,571.84	252.28	186.75	313.88	0.00	0.00	0.00
2,700.00	11.09	36.51	2,669.97	267.75	198.19	333.12	0.00	0.00	0.00
2,800.00	11.09	36.51	2,768.10	283.21	209.64	352.36	0.00	0.00	0.00
2,900.00	11.09	36.51	2,866.23	298.68	221.09	371.60	0.00	0.00	0.00
3,000.00	11.09	36.51	2,964.37	314.14	232.54	390.84	0.00	0.00	0.00
3,100.00	11.09	36.51	3,062.50	329.60	243.98	410.08	0.00	0.00	0.00
3,200.00	11.09	36.51	3,160.63	345.07	255.43	429.32	0.00	0.00	0.00
3,300.00	11.09	36.51	3,258.76	360.53	266.88	448.56	0.00	0.00	0.00
3,400.00	11.09	36.51	3,356.89	376.00	278.32	467.80	0.00	0.00	0.00
3,500.00	11.09	36.51	3,455.02	391.46	289.77	487.04	0.00	0.00	0.00
3,600.00	11.09	36.51	3,553.16	406.92	301.22	506.28	0.00	0.00	0.00
3,700.00	11.09	36.51	3,651.29	422.39	312.67	525.52	0.00	0.00	0.00
3,800.00	11.09	36.51	3,749.42	437.85	324.11	544.76	0.00	0.00	0.00
3,900.00	11.09	36.51	3,847.55	453.32	335.56	564.00	0.00	0.00	0.00
4,000.00	11.09	36.51	3,945.68	468.78	347.01	583.24	0.00	0.00	0.00
4,100.00	11.09	36.51	4,043.81	484.25	358.45	602.48	0.00	0.00	0.00
4,200.00	11.09	36.51	4,141.95	499.71	369.90	621.72	0.00	0.00	0.00
4,300.00	11.09	36.51	4,240.08	515.17	381.35	640.96	0.00	0.00	0.00
4,400.00	11.09	36.51	4,338.21	530.64	392.79	660.20	0.00	0.00	0.00
4,500.00	11.09	36.51	4,436.34	546.10	404.24	679.44	0.00	0.00	0.00
4,600.00	11.09	36.51	4,534.47	561.57	415.69	698.68	0.00	0.00	0.00
4,700.00	11.09	36.51	4,632.60	577.03	427.14	717.92	0.00	0.00	0.00
4,800.00	11.09	36.51	4,730.74	592.49	438.58	737.16	0.00	0.00	0.00
4,900.00	11.09	36.51	4,828.87	607.96	450.03	756.40	0.00	0.00	0.00
5,000.00	11.09	36.51	4,927.00	623.42	461.48	775.64	0.00	0.00	0.00
5,100.00	11.09	36.51	5,025.13	638.89	472.92	794.88	0.00	0.00	0.00
5,200.00	11.09	36.51	5,123.26	654.35	484.37	814.12	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UTNAD83 UTC  
**Site:** Blackjack  
**Well:** Blackjack G-10-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Blackjack G-10-9-17  
**TVD Reference:** GL 5159' & RKB 12' @ 5171.00ft  
**MD Reference:** GL 5159' & RKB 12' @ 5171.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	11.09	36.51	5,221.39	669.82	495.82	833.36	0.00	0.00	0.00
5,400.00	11.09	36.51	5,319.53	685.28	507.27	852.60	0.00	0.00	0.00
5,500.00	11.09	36.51	5,417.66	700.74	518.71	871.84	0.00	0.00	0.00
5,600.00	11.09	36.51	5,515.79	716.21	530.16	891.08	0.00	0.00	0.00
5,700.00	11.09	36.51	5,613.92	731.67	541.61	910.32	0.00	0.00	0.00
5,800.00	11.09	36.51	5,712.05	747.14	553.05	929.56	0.00	0.00	0.00
5,900.00	11.09	36.51	5,810.18	762.60	564.50	948.80	0.00	0.00	0.00
5,991.53	11.09	36.51	5,900.00	776.75	574.98	966.41	0.00	0.00	0.00

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BJ G-10-9-17 PBHL	0.00	0.00	5,900.00	776.75	574.98	7,190,248.54	2,060,901.54	40° 2' 57.697 N	109° 59' 52.306 W
- plan hits target center									
- Point									

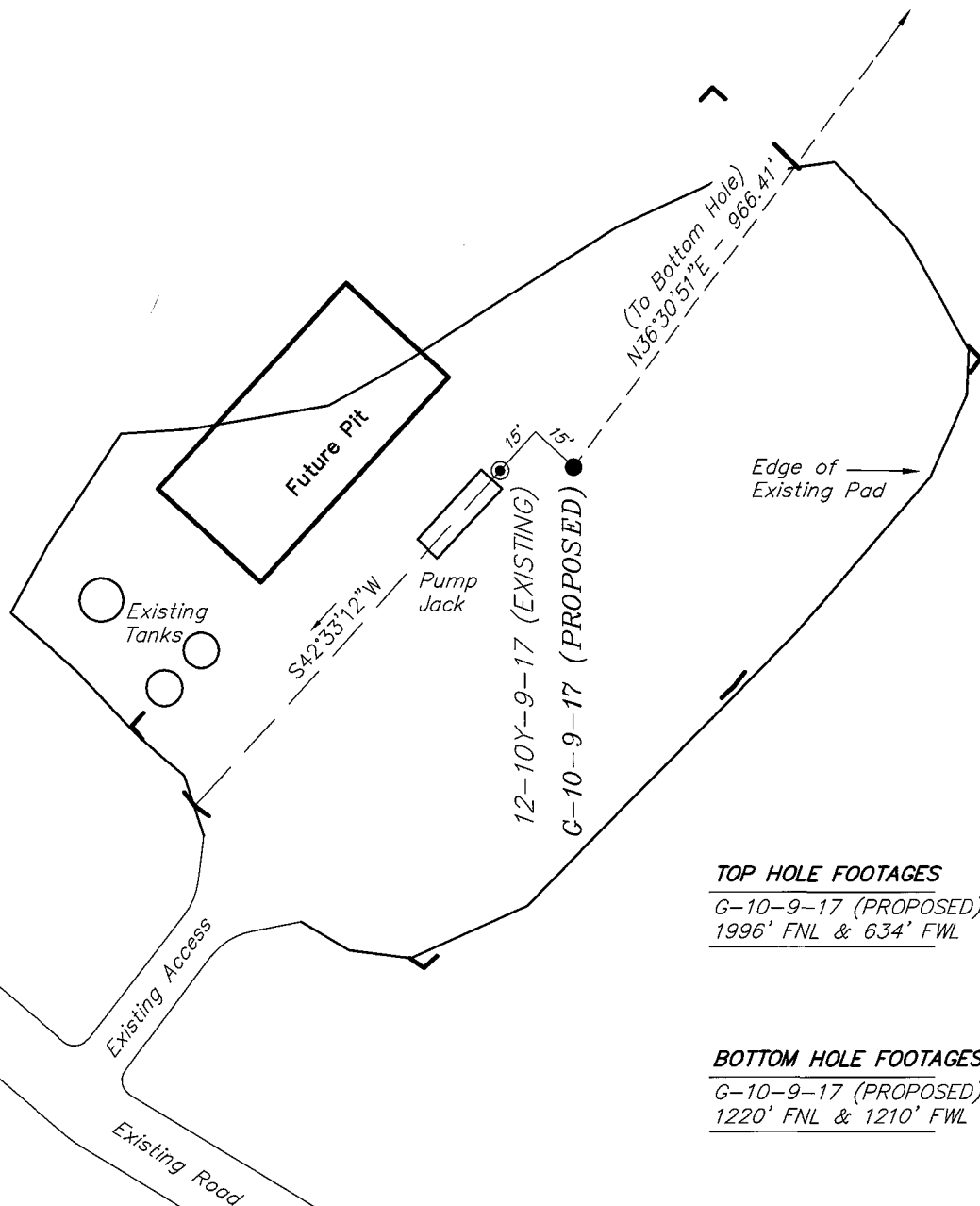
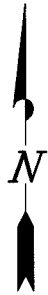
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

**BLACKJACK G-10-9-17 (Proposed Well)**

**BLACKJACK 12-10Y-9-17 (Existing Well)**

Pad Location: SWNW Section 10, T9S, R17E, S.L.B.&M.



### TOP HOLE FOOTAGES

G-10-9-17 (PROPOSED)  
1996' FNL & 634' FWL

### BOTTOM HOLE FOOTAGES

G-10-9-17 (PROPOSED)  
1220' FNL & 1210' FWL

#### Note:

Bearings are based on  
GLO Information.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
G-10-9-17	777'	575'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
G-10-9-17	40° 02' 50.02"	109° 59' 59.70"
12-10Y-9-17	40° 02' 50.02"	109° 59' 59.97"

SURVEYED BY: T.H. DATE SURVEYED: 11-27-07  
DRAWN BY: F.T.M. DATE DRAWN: 12-11-07  
SCALE: 1" = 50' REVISED: L.C.S. 01-08-08

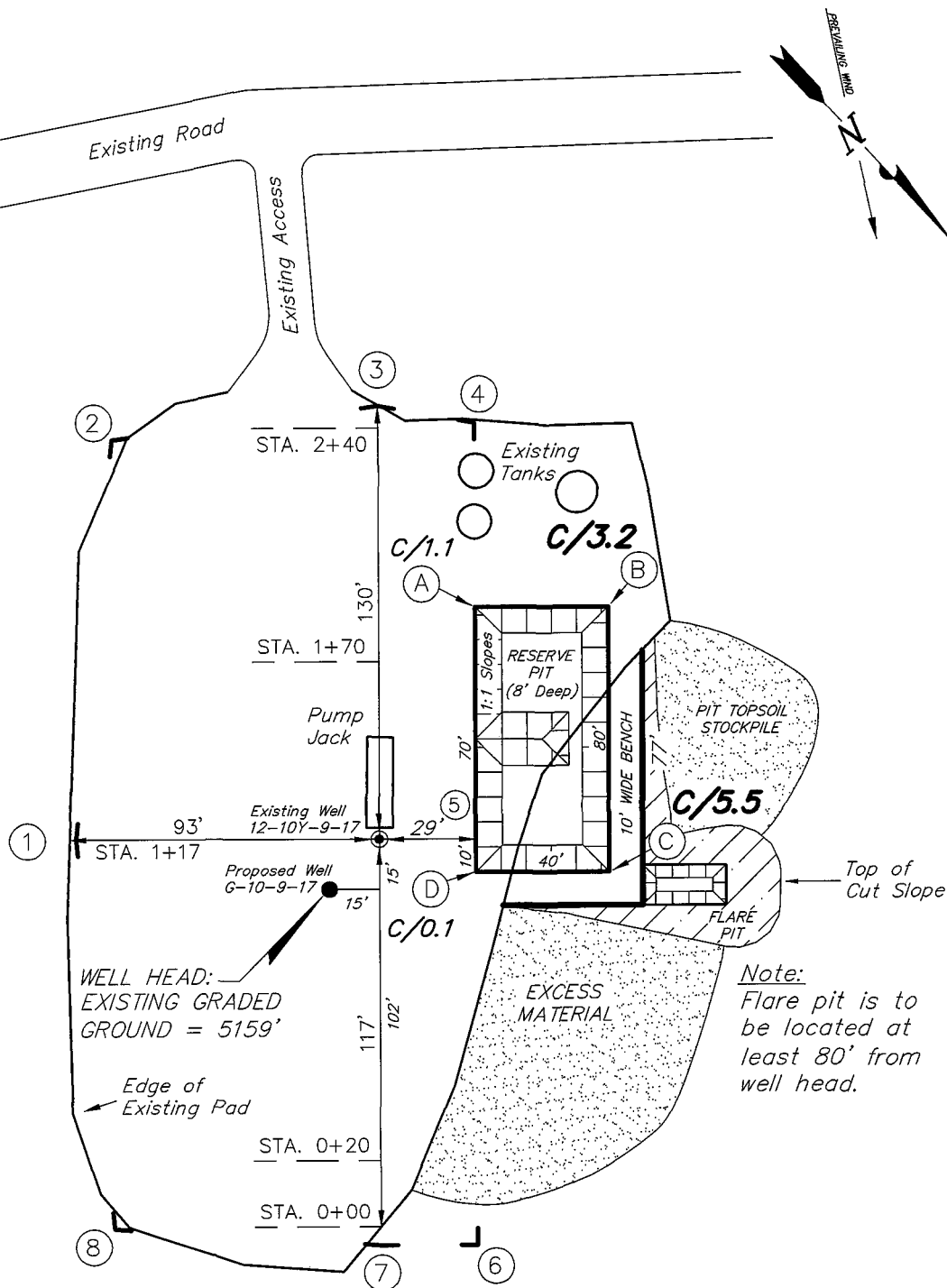
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

BLACKJACK G-10-9-17 (Proposed Well)

BLACKJACK 12-10Y-9-17 (Existing Well)

Pad Location: SWNW Section 10, T9S, R17E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 11-27-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-11-07
SCALE: 1" = 50'	REVISED:

Tri State

Land Surveying, Inc.

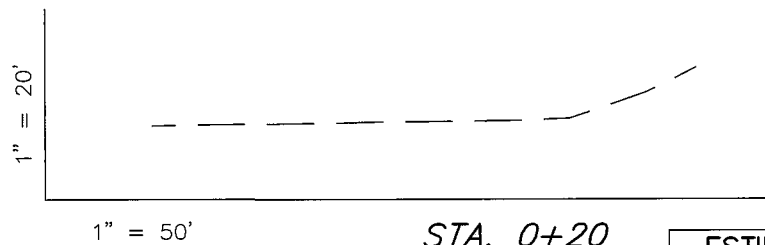
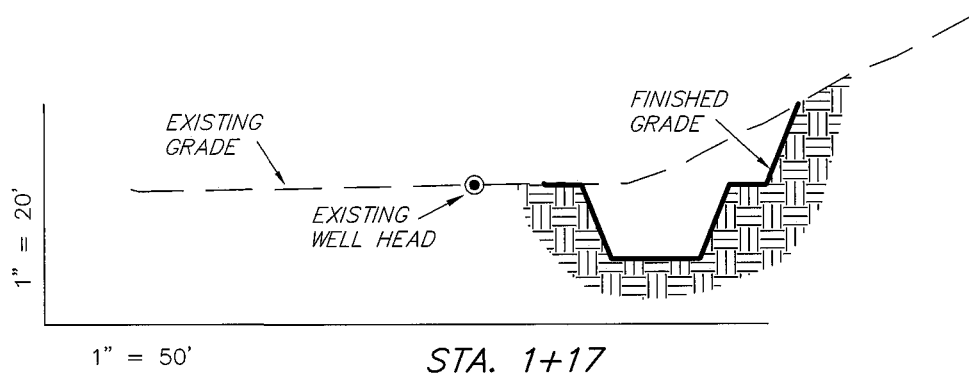
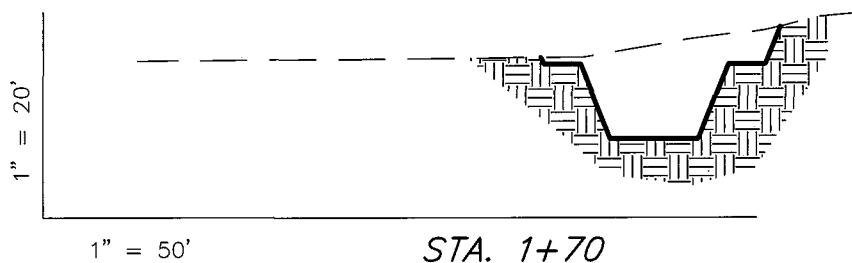
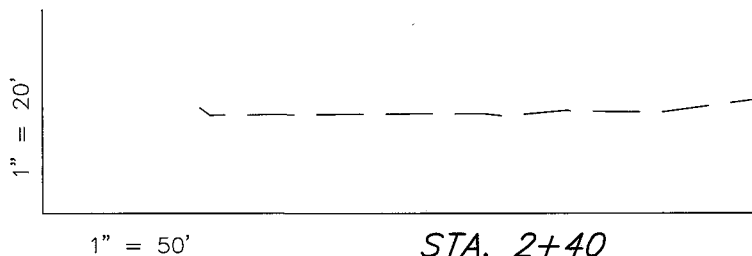
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

BLACKJACK G-10-9-17 (Proposed Well)  
BLACKJACK 12-10Y-9-17 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	830	0	Topsoil is not included in Pad Cut	830
PIT	640	0		640
TOTALS	1,470	0	150	1,470

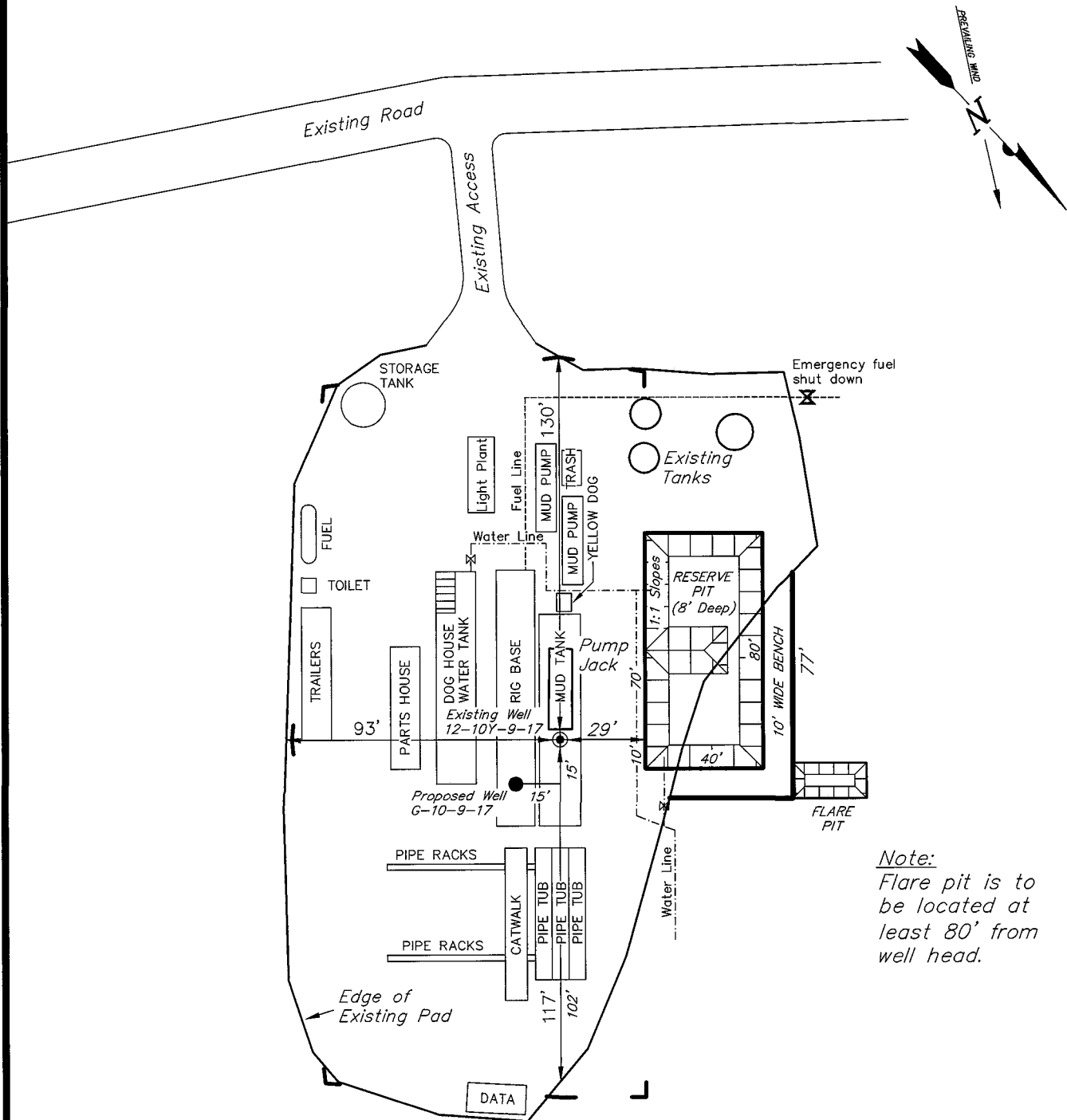
SURVEYED BY: T.H.	DATE SURVEYED: 11-27-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-11-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

BLACKJACK G-10-9-17 (Proposed Well)  
BLACKJACK 12-10Y-9-17 (Existing Well)



Note:  
Flare pit is to  
be located at  
least 80' from  
well head.

SURVEYED BY: T.H.	DATE SURVEYED: 11-27-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-11-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company Proposed Site Facility Diagram

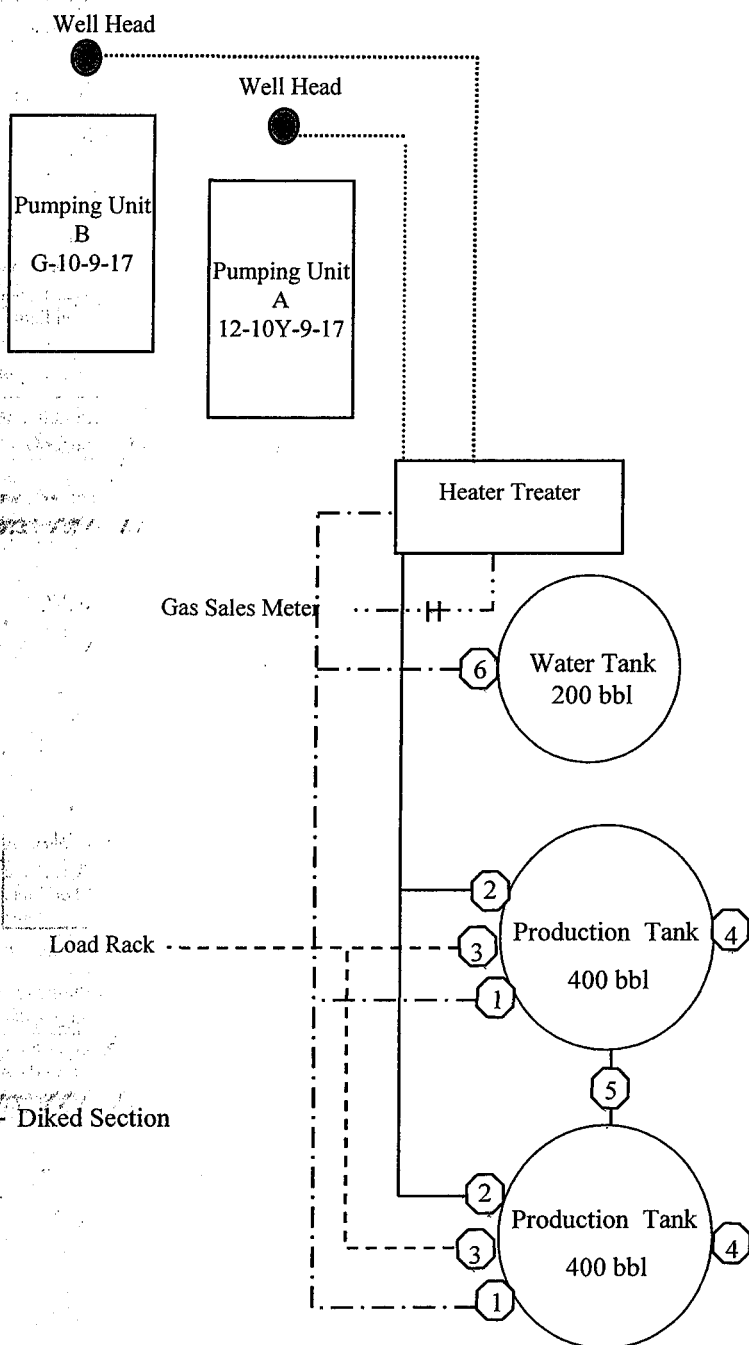
Blackjack Federal G-10-9-17

From the 12-10Y-9-17 Location

SW/NW Sec. 10 T9S, R17E

Duchesne County, Utah

UTU-65210



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

## Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

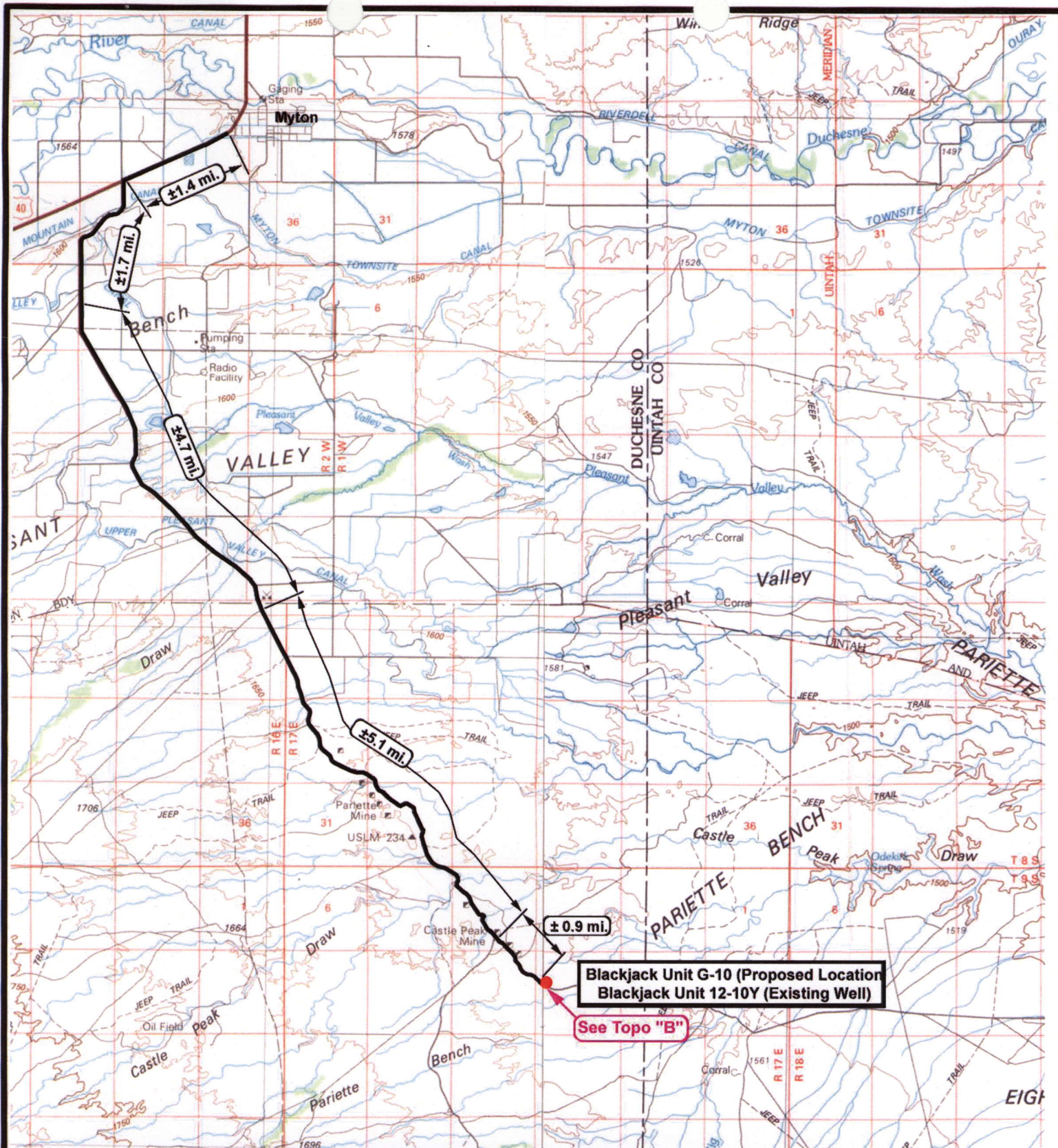
## Draining Phase:

- 1) Valves 1 and 6 open

## Legend

Emulsion Line	.....
Load Rack	-----
Water Line	-----
Gas Sales	-----
Oil Line	-----





**Blackjack Unit G-10 (Proposed Location)**  
**Blackjack Unit 12-10Y (Existing Well)**

See Topo "B"



**NEWFIELD**  
Exploration Company

**Blackjack Unit G-10-9-17 (Proposed Well)**  
**Blackjack Unit 12-10Y-9-17 (Existing Well)**  
 Pad Location SWNW SEC. 10, T9S, R17E, S.L.B.&M.





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
 DRAWN BY: nc  
 DATE: 12-12-2007

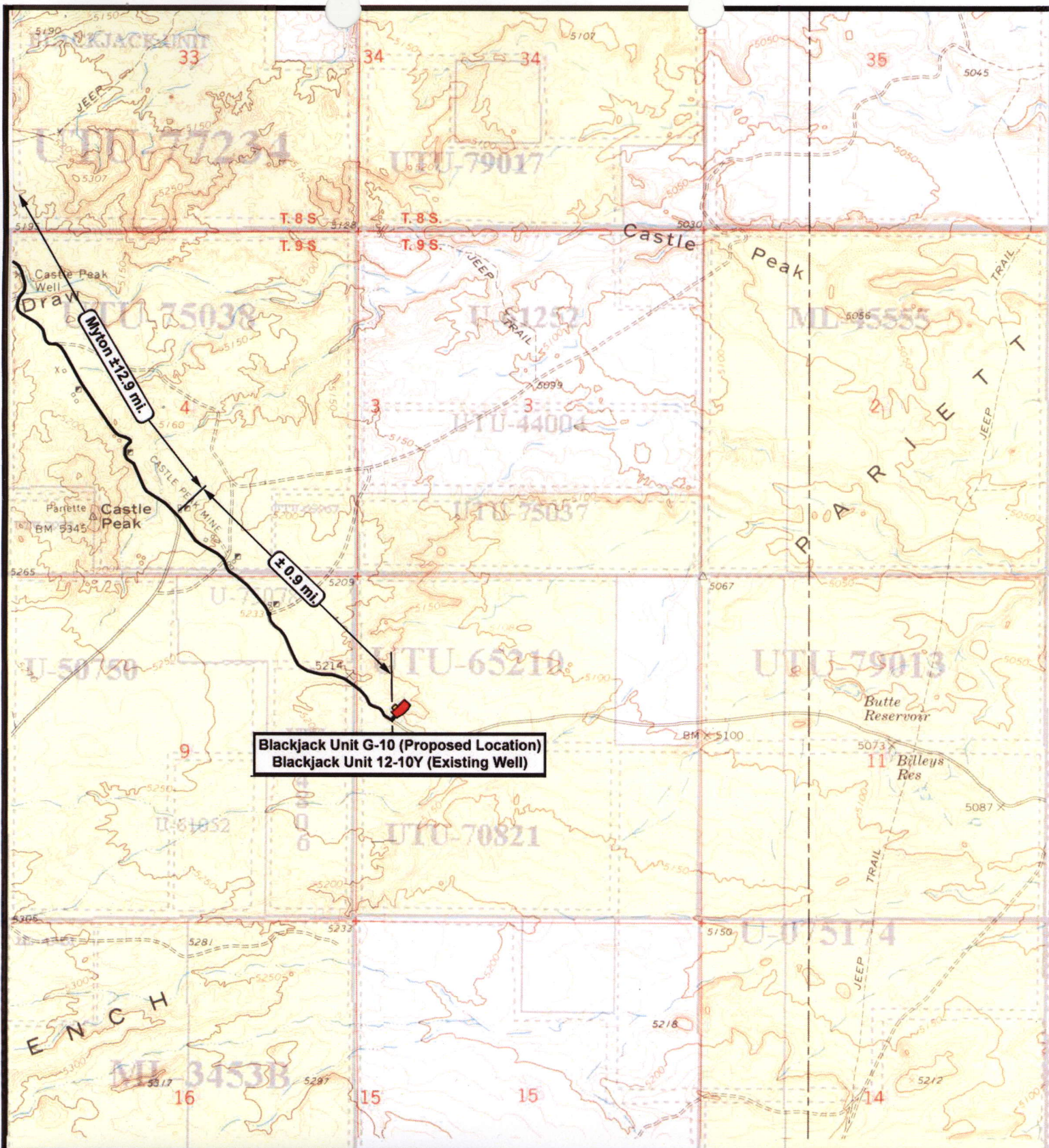
**Legend**

Existing Road


**TOPOGRAPHIC MAP**

"A"





**Blackjack Unit G-10 (Proposed Location)**  
**Blackjack Unit 12-10Y (Existing Well)**



**NEWFIELD**  
Exploration Company

**Blackjack Unit G-10-9-17 (Proposed Location)**  
**Blackjack Unit 12-10Y-9-17 (Existing Location)**  
**Pad Location SWNW SEC. 10, T9S, R17E, S.L.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 12-13-2007

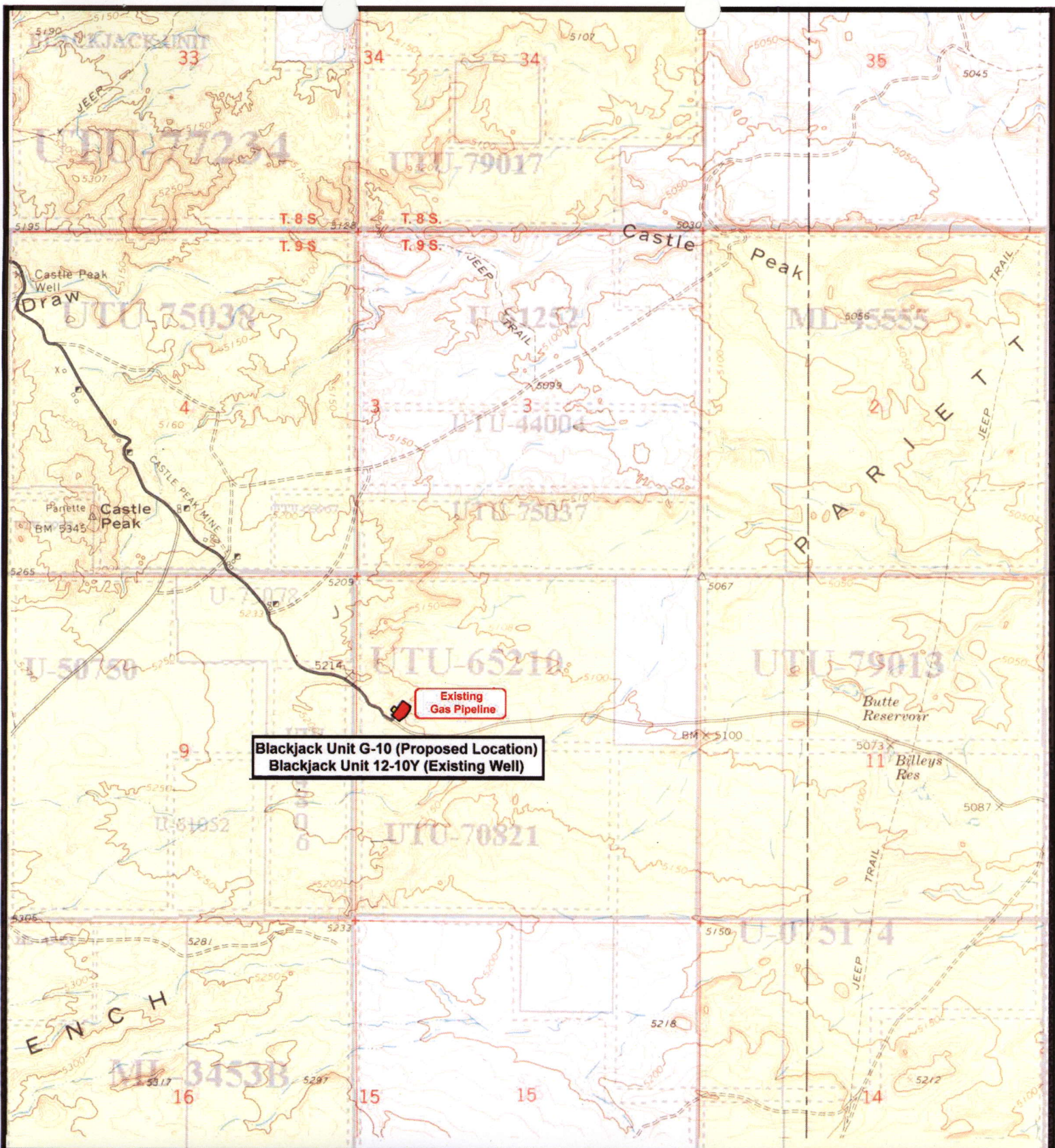
**Legend**


— Existing Road

TOPOGRAPHIC MAP

"B"







**NEWFIELD**  
Exploration Company

**Blackjack Unit G-10-9-17 (Proposed Location)**  
**Blackjack Unit 12-10Y-9-17 (Existing Location)**  
 Pad Location SWNW SEC. 10, T9S, R17E, S.L.B.&M.





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 12-13-2007

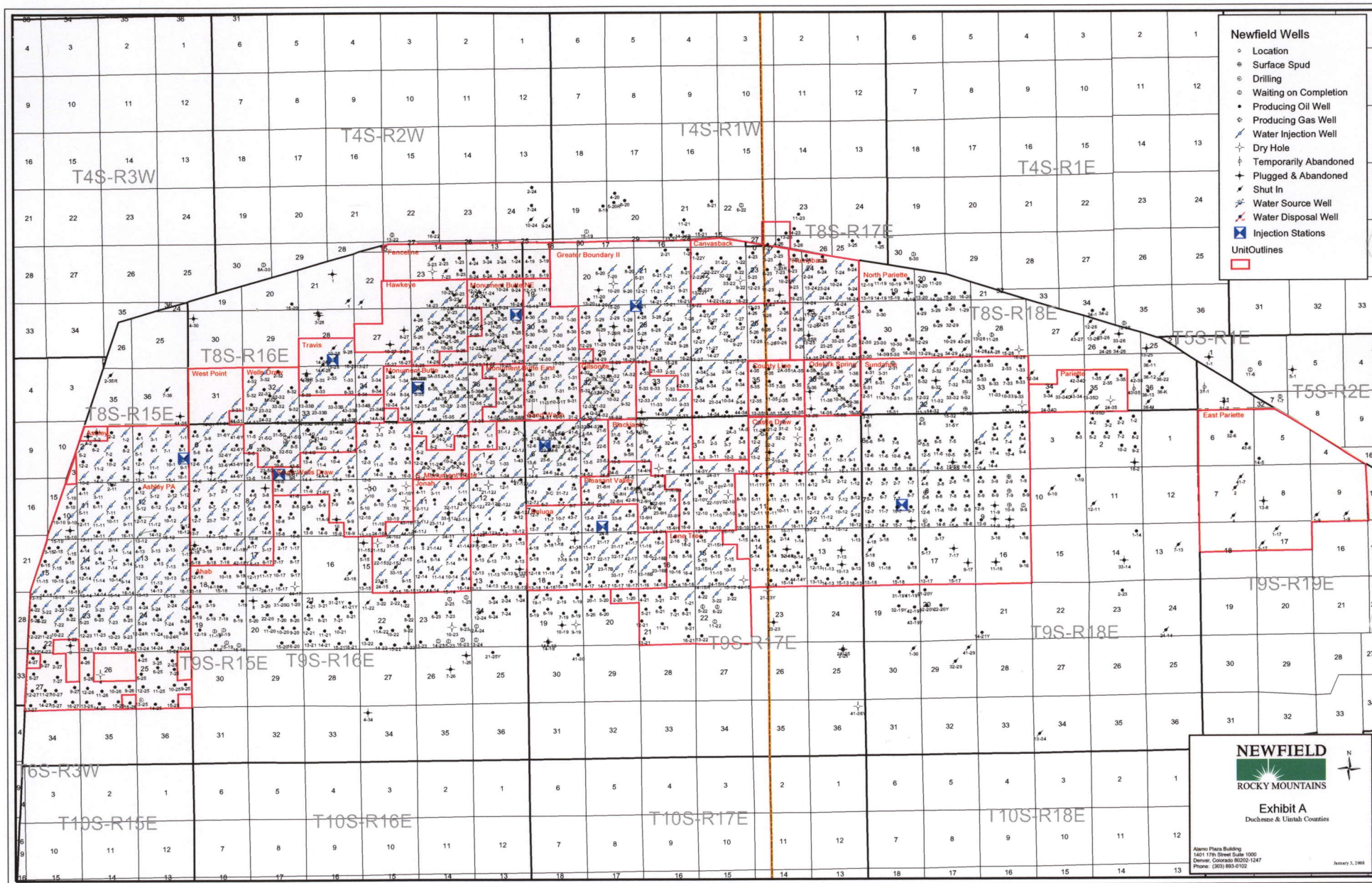
**Legend**

Existing Road

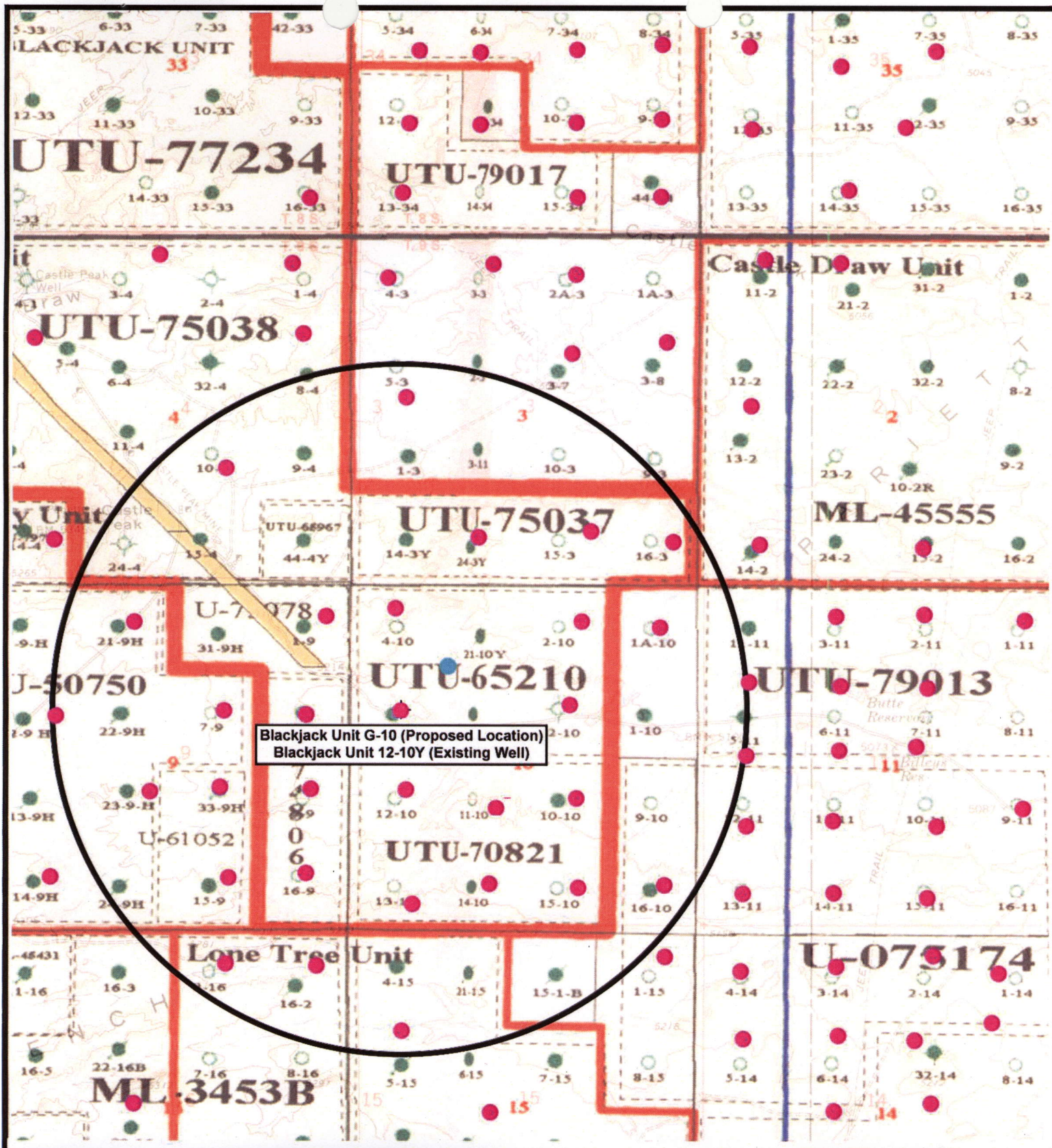
TOPOGRAPHIC MAP

"C"









**NEWFIELD**  
Exploration Company

**Blackjack Unit G-10-9-17 (Proposed Location)**  
**Blackjack Unit 12-10Y-9-17 (Existing Location)**  
Pad Location SWNW SEC. 10, T9S, R17E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: nc  
DATE: 12-13-2007

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

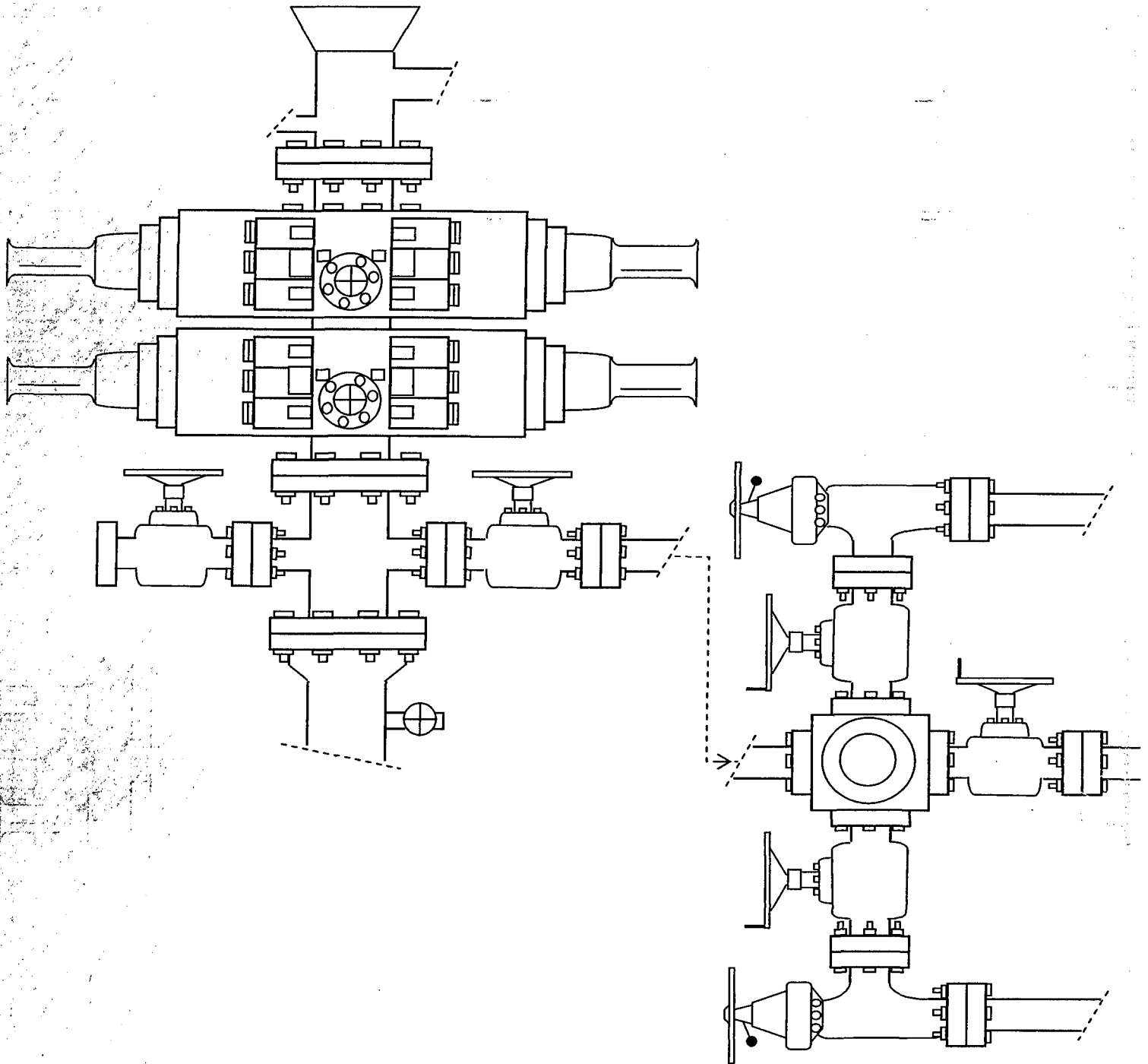


EXHIBIT C



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/06/2008

API NO. ASSIGNED: 43-013-33919

WELL NAME: BLACKJACK FED G-10-9-17  
OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNW 10 090S 170E  
SURFACE: 1996 FNL 0634 FWL  
BOTTOM: 1220 FNL 1210 FWL  
COUNTY: DUCHESNE  
LATITUDE: 40.04727 LONGITUDE: -109.9992  
UTM SURF EASTINGS: 585370 NORTHINGS: 4433273  
FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-65210  
SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10136 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.  
Unit: BLACKJACK (GR)  
☐ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☐ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 234-2  
Eff Date: 12-22-1999  
Siting: General Siting  
☒ R649-3-11. Directional Drill

COMMENTS:

*See, Separate file*

STIPULATIONS:

*1. Federal Approval*

T8S R17E

T9S R17E

## GREATER BOUNDARY II UNIT

CAUSE: 225-4 / 9-22-2004

BLACKJACK  
4-IR-9-17CASTLE  
DRAW  
3-4-9-17CASTLE  
DRAW  
2-4-9-17BLACKJACK  
FED 1-4-9-17CASTLE  
DRAW  
5-4-9-17CASTLE  
DRAW  
6-4-9-17BLACKJACK  
FED 1-4-9-17  
PAIUTE FED  
32-4R-9-17CASTLE  
DRAW  
8-4-9-17CASTLE  
DRAW  
12-4-9-17CASTLE  
DRAW  
11-4-9-17CASTLE  
DRAW  
10-4-9-17BLACKJACK  
FED 10-4-9-17CASTLE  
DRAW  
9-4-9-17

## BLACKJACK (GR) UNIT

FEDERAL  
14-4HPLEASANT  
VLY FED  
Y-4-9-17MAXUS  
FED 24-4CASTLE  
DRAW  
15-4-9-17FEDERAL  
44-4Y  
COTTON  
44-4

## MONUMENT BUTTE FIELD

MON FED  
14-3-9-17YFEDERAL  
24-3YBLACKJACK  
FED 15-3-9-17BLACKJACK  
FED 16-3-9-17

## BLACKJACK (GR) UNIT

BHL  
Y-4-9-17

CAUSE: 234-1 / 8-24-1995

FEDERAL  
11-9-HFEDERAL  
21-9H  
PLEASANT  
VLY FED  
G-9-9-17MONUMENT  
BUTTE FED 9-2FEDERAL  
31R-9HBLACKJACK  
FED V-4-9-17BLACKJACK  
FED 4-10-9-17  
BLACKJACK  
FED F-10-9-17BALCRON  
MON FED  
21-10-9-17YDUNCAN  
FED 3-10  
BLACKJACK  
FED 2-10-9-17SUNDANCE  
FED 1-10-9-17BHL  
F-9-9-17FEDERAL  
12-9-H  
PLEASANT  
VLY FED  
F-9-9-17FEDERAL  
NGC 22-9-HPLEASANT  
VLY FED  
M-9-9-17PLEASANT  
VLY FED  
7-9-9-17  
NGC FED  
32-9-HCASTLE  
DRAW  
1-9-9-17BHL  
F-10-9-17BLACKJACK  
FED G-10-9-17  
BALCRON MON  
FED 12-10-9-17YFEDERAL  
22-10Y  
DUNCAN  
FED 2-10MON FED  
32-10-9-17YFEDERAL  
13-9HBHL  
Q-9-9-17FED  
23-9-H  
PLEASANT  
VLY FED  
N-9-9-17FEDERAL  
33-9HBHL  
M-9-9-17BLACKJACK  
FED O-10-9-17BLACKJACK  
FED 9-9-9-17BLACKJACK  
FED 12-10-9-17BLACKJACK  
FED 11-10-9-17CASTLE  
DRAW  
10-10-9-17FEDERAL  
14-9HPLEASANT  
VLY FED  
Q-9-9-17NGC  
24-9H FEDBHL  
R-9-9-17PLEASANT  
VLY FED  
15-9-9-17BLACKJACK  
FED 16-9-9-17  
NGC FED  
44-9-HBHL  
P-10-9-17BLACKJACK  
FED P-10-9-17CASTLE  
DRAW  
USA 3-N10  
CASTLE  
DRAW  
14-10BLACKJACK  
FED 15-10-9-17

## PLEASANT VALLEY (GR) UNIT

MON ST  
11-16-9-17BSUE MORRIS  
16-3

CAUSE: 228-4 / 2-4-1996

## BELUGA (GR) UNIT

LONE TREE  
U 2-16-9-17

STATE 16-2

S PLEASANT  
VALLEY FED 4-15-9-17FED NGC  
21-15

## LONE TREE (GR) UNIT

FEDERAL  
15-1-BFEDERAL  
1-15-9-17

OPERATOR: NEWFIELD PROD CP (N2695)

SEC: 9,10 T.9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 234-2 / 12-22-1999

## Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

## Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

## Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS &amp; MINING



PREPARED BY: DIANA MASON  
DATE: 06-MARCH-2008



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

March 7, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Black Jack Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Black Jack Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33921	Blackjack Fed L-4-9-17 Sec 04 T09S R17E 1895 FNL 1998 FEL	BHL Sec 04 T09S R17E 2605 FNL 1345 FEL
43-013-33918	Blackjack Fed P-10-9-17 Sec 09 T09S R17E 0765 FSL 0734 FEL	BHL Sec 10 T09S R17E 1250 FSL 0100 FWL
43-013-33917	Blackjack Fed Q-10-9-17 Sec 10 T09S R17E 0324 FSL 0705 FWL	BHL Sec 10 T09S R17E 1205 FSL 1245 FWL
43-013-33919	Blackjack Fed G-10-9-17 Sec 10 T09S R17E 1996 FNL 0634 FWL	BHL Sec 10 T09S R17E 1220 FNL 1210 FWL
43-013-33920	Blackjack Fed F-10-9-17 Sec 10 T09S R17E 0427 FNL 0519 FWL	BHL Sec 10 T09S R17E 1255 FNL 0040 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard



March 11, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Blackjack Federal G-10-9-17**  
Blackjack Unit  
UTU-78560X  
Surface Hole: T9S R17E, Section 10: SW/4NW/4  
1996' FNL 634' FWL  
At Target: T9S R17E, Section 10  
1220' FNL 1210' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated February 29, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and target location of this well are both within the boundaries of the Blackjack Federal Unit UTU-78560X. Newfield certifies that it is the Blackjack Unit Operator and all lands within 460 feet of the entire directional well bore are within the Blackjack Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED  
MAR 14 2008  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-65210

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Blackjack Unit

8. Lease Name and Well No.

Blackjack Federal G-10-9-17

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 10, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SW/NW 1996' FNL 634' FWL

At proposed prod. zone 1220' FNL 1210' FWL

14. Distance in miles and direction from nearest town or post office\*

(See map) Approximately 13.8 miles southeast of Myton, Utah

15. Distance from proposed\*

location to nearest  
property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 1210' file, 2750' t/unit

16. No. of Acres in lease

240.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1366'

19. Proposed Depth

5900'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5159' GL

22. Approximate date work will start\*

2nd Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).

At surface

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature of

Name (Printed/Typed)

Date

Mandie Crozier

2/29/08

14. Distance in miles and direction from nearest town or post office\*  
Title approximately  
Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct  
operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

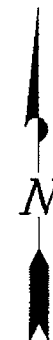
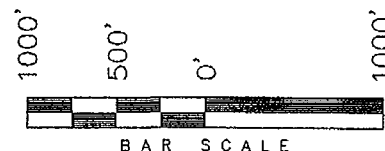
MAR 14 2008

DIV. OF OIL, GAS & MINING

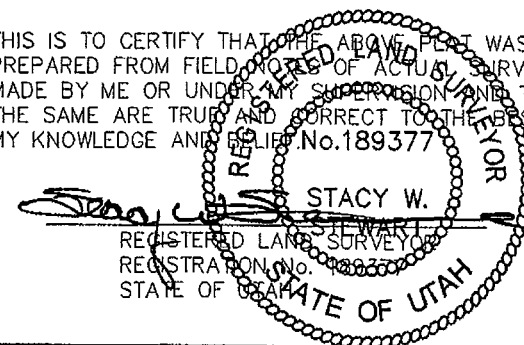
**T9S, R17E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, BLACKJACK G-10-9-17,  
LOCATED AS SHOWN IN THE SW 1/4 NW  
1/4 OF SECTION 10, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



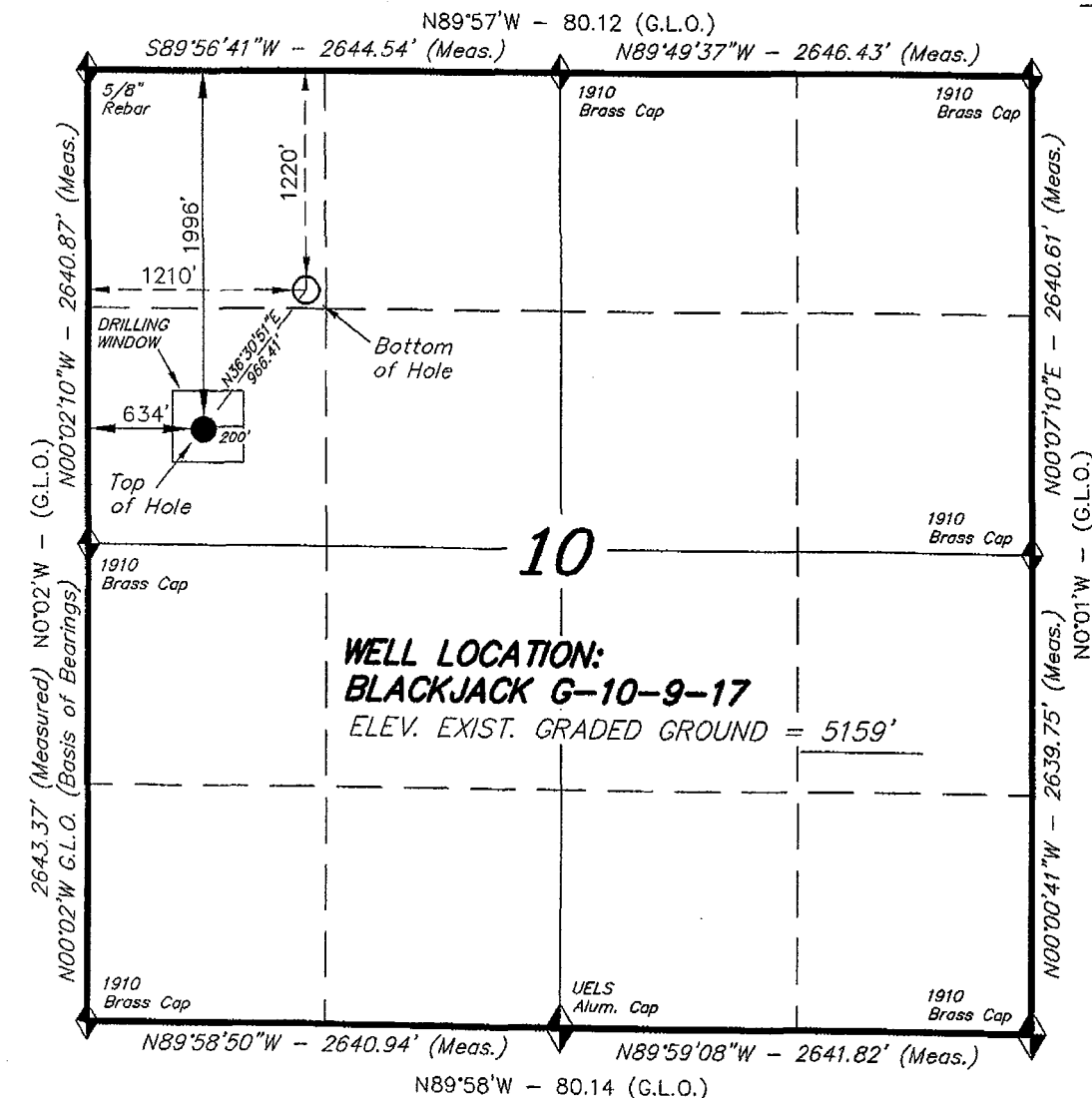
THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 11-27-07	SURVEYED BY: T.H.
DATE DRAWN: 12-11-07	DRAWN BY: F.T.M.
REVISED: 02-08-08 L.C.S.	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**BLACKJACK G-10-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 50.02"  
LONGITUDE = 109° 59' 59.70"**



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

March 20, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Blackjack Federal G-10-9-17 Well, Surface Location 1996' FNL, 634' FWL, SW NW, Sec. 10, T. 9 South, R. 17 East, Bottom Location 1220' FNL, 1210' FWL, NW NW, Sec. 10, T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33919.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office



Operator: Newfield Production Company  
Well Name & Number Blackjack Federal G-10-9-17  
API Number: 43-013-33919  
Lease: UTU-65210

Surface Location: SW NW Sec. 10 T. 9 South R. 17 East  
Bottom Location: NW NW Sec. 10 T. 9 South R. 17 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED  
VERNAL FIELD OFFICE  
2008 MAR -5 AM 11:33

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-65210
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Blackjack Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Blackjack Federal G-10-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 013 33919
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1996' FNL 634' FWL At proposed prod. zone 1220' FNL 1210' FWL <i>NNNW</i>		10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 10, T9S R17E		12. County or Parish Duchesne
13. State UT		14. Distance in miles and direction from nearest town or post office* (Sept. 2001) Approximately 13.8 miles southeast of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1210' f/lease, 2750' f/unit	16. No. of Acres in lease 240.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1366'	19. Proposed Depth 5900'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5159' GL	22. Approximate date work will start* 2nd Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).<br>At surface | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/29/08
14. Distance from nearest town or post office Title: Regulatory Specialist		
15. Distance from nearest well, drilling, completed, applied for, on this lease, ft.		
Approved by (Signature) <i>Terry Kencel</i> Title: Assistant Field Manager Lands & Mineral Resources	Name (Printed/Typed) Terry Kencel Office VERNAL FIELD OFFICE	Date 5-5-2008

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

RECEIVED

MAY 14 2008

DIV. OF OIL, GAS & MINING

NO5-1-8-08  
08 PP0327A

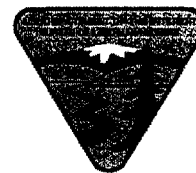


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** Blackjack Federal G-10-9-17  
**API No:** 43-013-33919

**Location:** SWNW, Sec 10, T9S, R17E  
**Lease No:** UTU-65210  
**Agreement:** Blackjack Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:		(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days



## **SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)**

### **General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

### **Specific Surface COAs**

#### **STIPULATIONS:**

- The proposed area contains Mountain plover habitat. With this occurrence there will be a timing restriction during project activity (construction and drilling) to minimize disturbance to Mountain plover nesting from May 15 – June 15.

#### **Lease Notices from RMP:**

- The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

#### **Comments:**

- GIS data shows the project area is within Mountain plover nesting habitat. Because the proposed location is going to be directional drilled from an existing location and no new disturbance will be required Mountain plover timing restrictions were not applied.
- During the onsite it was evident that scattered complexes of White-tailed prairie dog colonies (Burrowing owl nesting habitat) were in the area. Because the proposed location is going to be directional drilled from an existing location and no new disturbance will be required Burrowing owl timing restrictions were not applied.
- The project area is located within 300 yards of two Golden eagle nests. Both nests have been inactive at least the past two consecutive years (2006-2007). Reasoning for no timing restrictions applied to the project area is that the nests are falling apart.

#### **Follow-up Actions and/or Recommendations:**

- Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) shall require additional surveys and clearances.

CONDITIONS OF APPROVAL:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed immediately upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the

operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. This will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded using a rangeland drill. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the late summer to fall (September 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"
Forage Kochia	<i>Kochia prostratus</i>	0.10	1/8 - 1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

- Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.

- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: BLACKJACK FED G-10-9-17

Api No: 43-013-33919 Lease Type: FEDERAL

Section 10 Township 09S Range 17E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 21

### SPUDDED:

Date 07/25/08

Time 3:30 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by ALVIN NIELSEN

Telephone # (435) 823-7464

Date 07/28/08 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

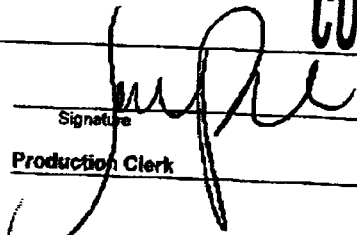
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16999	4301333197	FEDERAL 12-19-9-17	NWSW	19	9S	17E	DUCHESNE	7/29/2008	7/31/08
WELL 1 COMMENTS: GRRV											
A	99999	12000	4304739398	FEDERAL 15-19-9-18	SWSE	19	9S	18E	UINTAH	7/29/2008	7/31/08
WELL 2 COMMENTS: GRRV											
B	99999	12704	4301333919	BLACKJACK FEDERAL G-10-9-17	SWNW	10	9S	17E	DUCHESNE	7/25/2008	7/31/08
WELL 3 COMMENTS: GRRV BHL = NWNW											
B	99999	13269	4301333778	SOUTH WELLS DRAW FEDERAL M-10-9-16	SEnw	10	9S	16E	DUCHESNE	7/24/2008	7/31/08
WELL 4 COMMENTS: GRRV BHL = SENW											
B	99999	11880	4301333924	BELUGA FEDERAL Q-7-9-17	NWSW	7	9S	17E	DUCHESNE	7/24/2008	7/31/08
WELL 5 COMMENTS: GRRV BHL = NESW											
A	99999	17001	4304739772	STATE 23-2T-9-17	NESW	2	4S	17E	UINTAH	7/30/2008	7/31/08
WELL 6 COMMENTS: MNCS 9S											

ACTION CODES (See instructions on back of form)  
A - 1 new entity for new well (single well only)  
B - well to existing entity (group or unit well)  
C - from one existing entity to another existing entity  
D - well from one existing entity to a new entity  
E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED  
JUL 31 2008

DIV. OF OIL, GAS & MINING

**CONFIDENTIAL**  
Signature:   
Production Clerk: Jemri Park  
Date: 07/31/08

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWNW Section 10 T9S R17E

5. Lease Serial No.

USA UTU-65210

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
BLACKJACK UNIT

8. Well Name and No.

BLACKJACK FEDERAL G-10-9-17

9. API Well No.

4301333919

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 25 Jul 2008 MIRU Ross # 21. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324679' KB.  
On 30 Jul 2008 cemented with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg & 1.17 cf/sk yield.  
Returned 6 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Sean Stevens

Signature

Title

Field Engineer

Date

07/31/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**AUG 04 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWNW Section 10 T9S R17E

5. Lease Serial No.

USA UTU-65210

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

BLACKJACK UNIT

8. Well Name and No.

BLACKJACK FEDERAL G-10-9-17

9. API Well No.

4301333919

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 25 Jul 2008 MIRU Ross # 21. Drilled 12-1/4" hole with air mist to 332' KB. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.79' KB. On 30 Jul 2008 cemented with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg & 1.17 cf/sk yield. Returned 6 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Sean Stevens

Signature

Title

Field Engineer

Date

08/21/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**AUG 25 2008**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 324.67

LAST CASING 8 5/8" SET AT 324.67  
 DATUM 12 KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Blackjack Federal G-10-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 21

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg (shoe joint 44.15')	24#	J-55	8rd	A	312.82
1		Guide shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	314.67
TOTAL LENGTH OF STRING	314.67	7	LESS CUT OFF PIECE	2
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	0		CASING SET DEPTH	<b>324.67</b> KB

TOTAL	312.82	-	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	312.82	-	
TIMING	1ST STAGE		
Spud	7/25/2008	3:30 PM	GOOD CIRC THRU JOB <u>Yes</u>
CSG. IN HOLE	7/29/2008	10:00 AM	Bbls CMT CIRC TO SURFACE <u>6</u>
BEGIN CIRC	7/30/2008	10:51 AM	RECIPROCATED PIPE FOR <u>N/A</u>
BEGIN PUMP CMT	7/30/2008	11:00 AM	
BEGIN DSPL. CMT	7/30/2008	11:13 AM	BUMPED PLUG TO <u>80</u> PSI (left on csg)
PLUG DOWN	7/30/2008	11:20 AM	

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3		

COMPANY REPRESENTATIVE Sean Stevens DATE 7/30/2008

RECEIVED

AUG 25 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWNW Section 10 T9S R17E

5. Lease Serial No.

USA UTU-65210

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
BLACKJACK UNIT

8. Well Name and No.

BLACKJACK FEDERAL G-10-9-17

9. API Well No.

4301333919

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/18/08 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 275'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6028'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 152 jt's of 5.5 J-55, 15.5# csgn. Set @ 6010' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 46 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 9:00 PM on 9/25/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Justin Crum

Signature

Title

Drilling Foreman

Date

09/29/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**OCT 02 2008**

**DIV. OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6010.21

Flt cllr @ 5980

LAST CASING 8 5/8" SET AT 324'

OPERATOR Newfield Production Company

DATUM 12

WELL Blackjack Federal G-10-9-17

DATUM TO CUT OFF CASING 12

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # NDSI Rig # 1

TD DRILLER 6028' LOGGER 6021'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt @ 3977' 5.49'					
151	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5980.68
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	16.28
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6012.21
TOTAL LENGTH OF STRING		6012.21	152	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		370.35	9	CASING SET DEPTH			<b>6010.21</b>
TOTAL		<b>6367.31</b>	161	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6367.31	161				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		9/25/2008	10:00 AM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		9/25/2008	1:00 PM	Bbls CMT CIRC TO SURFACE <u>46</u>			
BEGIN CIRC		9/25/2008	1:00 PM	RECIPROCATED PIPE FOR <u>      </u> THRU <u>      </u> FT STROKE			
BEGIN PUMP CMT		9/25/2008	3:00 PM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		9/25/2008	4:08 PM	BUMPED PLUG TO <u>1800</u> PSI			
PLUG DOWN		<b>9/25/2008</b>	<b>4:40 PM</b>				
CEMENT USED				CEMENT COMPANY- <b>B. J.</b>			
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	325	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	425	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum

DATE 9/26/2008

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-65210
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: BLACKJACK UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: BLACKJACK FEDERAL G-10-9-17
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 10, T9S, R17E		9. API NUMBER: 4301333919
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/18/2008			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 10/23/08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park	TITLE Production Clerk
SIGNATURE 	DATE 11/18/2008

(This space for State use only)

**RECEIVED**  
**NOV 25 2008**  
DIV. OF OIL, GAS & MINING



**Daily Activity Report**

Format For Sundry

**BLACKJACK G-10-9-17****8/1/2008 To 12/30/2008****10/14/2008 Day: 1****Completion**

Rigless on 10/13/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5945' cement top @ 90'. Perforate stage #1. CP4 sds @ 5720-30' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. 146 BWTR. SIFN.

**10/18/2008 Day: 2****Completion**

Rigless on 10/17/2008 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP4 sds, stage #1 down casing w/ 28,363#'s of 20/40 sand in 422 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3682 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2036 @ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1918. 565 bbls EWTR. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8', 6' perf guns. Set plug @ 5670'. Perforate CP3 sds @ 5634-42' & CP2 sds @ 5600-06', 5578-86', 5560-68', CP1 sds @ 5528-44' w/ 3-1/8" Slick Guns (23 gram, .43" HE, 120°) w/ 4 spf for total of 184 shots. RU BJ & frac stage #2 w/ 120,260#'s of 20/40 sand in 886 bbls of Lightning 17 frac fluid. Open well w/ 950 psi on casing. Perfs broke down @ 1221 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 1178 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1511. 1451 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 14' perf guns. Set plug @ 5270'. Perforate A3 sds @ 5158-72' w/ 4 spf for total of 56 shots. RU BJ & frac stage #3 w/ 28,649#'s of 20/40 sand in 395 bbls of Lightning 17 frac fluid. Open well w/ 1093 psi on casing. Perfs broke down @ 1980 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2406 @ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 4174. 1846 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 10', 15' perf guns. Set plug @ 5100'. Perforate B2 sds @ 5002-12', 4983-98' w/ 4 spf for total of 100 shots. RU BJ & frac stage #4 w/ 61,837#'s of 20/40 sand in 525 bbls of Lightning 17 frac fluid. Open well w/ 294 psi on casing. Perfs broke down @ 3000 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2154 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 3839. 2371 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 8' perf guns. Set plug @ 4930'. Perforate C sds @ 4844-52' w/ 4 spf for total of 32 shots. RU BJ & frac stage #5 w/ 30,931#'s of 20/40 sand in 375 bbls of Lightning 17 frac fluid. Open well w/ 1487 psi on casing. Perfs broke down @ 2512 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2002 @ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 2039. 2746 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 5 hours & died w/ 740 bbls rec'd. SIFN.

**10/21/2008 Day: 3****Completion**

Western #4 on 10/20/2008 - MIRUSU. Open well w/ psi on casing. RD Cameron BOP's & frac head. Instal 3K production tbg head & Schaefer BOP's. RU 4-3/4" mill & x-over sub. Tally, pickup & TIH w/ new J-55, 2-7/8", 6.5# tbg to tag fill @ 4848'. RU

swivel, pump & tanks. C/O to plug @ 4930'. Drlg out plug #1. TIH w/ tbg to tag sand @ 4969'. C/O to plug @ 5115'. Drlg out plug #2. SIFN.

---

**10/23/2008 Day: 4**

**Completion**

Western #4 on 10/22/2008 - Open well w/ 50 psi on casing. TIH w/ tbg to tag sand 75'. C/O to plug @ 5270'. Drlg out plug #3. TIH w/ tbg to tag plug @ 5670'. Drlg out plug #4. TIH w/ tbg to tag sand @ 155'. C/O to PBTD @ 5983'. LD 3 jts tbg. RU swab. Made 12 runs to rec'd 115 bbls of fluid. IFL was surface. FFL was 900'. Last run showed trace of oil w/ no sand. RD swab. SIFN.

---

**10/24/2008 Day: 5**

**Completion**

Western #4 on 10/23/2008 - Open well w/ 0 psi on casing. TIH w/ tbg to tag 5983'. Circulate well clean. TOOH w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 2 jts tbg, TA new CDI w/ 45,000# shear, 185 jts tbg. RD BOP's. Set TA @ 5688' in 16,000#'s tension w/ SN @ 5752' & EOT @ 5815'. Pickup & prime pump. Flush tbg w/ 60 bbls water. TIH w/ 2- 1/2" X 1- 3/4" X 20' X 20.5' new CDI RHAC pump w/ 178"SL, Shear coupling, 4- 1-1/2" weight rods, 225- 7/8" guided rods (8 per), 2', 8' X 7/8" pony rods, 1- 1/2" X 26' polish rod. Pressure test tbg & pump to 800 psi. RDMOSU. POP @ 5PM w/ 5 spm w/ 122"SL. Final Report.

---

**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. UTU-65210																																																																																			
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						6. If Indian, Allottee or Tribe Name NA																																																																																			
2. Name of Operator NEWFIELD EXPLORATION COMPANY						7. Unit or CA Agreement Name and No. BLACKJACK																																																																																			
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202				3a. Phone No. (include area code) (435)646-3721		8. Lease Name and Well No. BLACKJACK FEDERAL G-10-9-17																																																																																			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 1996' F&L & 634' FWL (SW/NW) SEC. 10, T9S, R17E N  At top prod. interval reported below  At total depth <del>6020'</del> 1164' F&L 1280' FWL per HSM review						9. AFI Well No. 43-013-33919																																																																																			
14. Date Spudded 07/25/2008						10. Field and Pool or Exploratory MONUMENT BUTTE																																																																																			
15. Date T.D. Reached 09/24/2008						11. Sec., T., R., M., on Block and Survey or Area SEC. 10, T9S, R17E																																																																																			
16. Date Completed 10/23/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						12. County or Parish DUCHESNE																																																																																			
17. Elevations (DF, RKB, RT, GL)* 5159' GL 5171' KB						13. State UT																																																																																			
18. Total Depth: MD 6020' TVD 5000' 5913'						19. Plug Back T.D.: MD 5983' TVD 5868'																																																																																			
20. Depth Bridge Plug Set: MD TVD						21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND																																																																																			
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)						23. Casing and Liner Record (Report all strings set in well)																																																																																			
<table border="1" style="width:100%"><thead><tr><th>Hole Size</th><th>Size/Grade</th><th>Wt. (#/ft.)</th><th>Top (MD)</th><th>Bottom (MD)</th><th>Stage Cementer Depth</th><th>No. of Sk. &amp; Type of Cement</th><th>Slurry Vol. (BBL)</th><th>Cement Top*</th><th>Amount Pulled</th></tr></thead><tbody><tr><td>12-1/4"</td><td>8-5/8" J-55</td><td>24#</td><td></td><td>325'</td><td></td><td>160 CLASS G</td><td></td><td>90'</td><td></td></tr><tr><td>7-7/8"</td><td>5-1/2" J-55</td><td>15.5#</td><td></td><td>6010'</td><td></td><td>325 PRIMLITE</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>425 50/50 POZ</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>										Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled	12-1/4"	8-5/8" J-55	24#		325'		160 CLASS G		90'		7-7/8"	5-1/2" J-55	15.5#		6010'		325 PRIMLITE										425 50/50 POZ																																											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled																																																																																
12-1/4"	8-5/8" J-55	24#		325'		160 CLASS G		90'																																																																																	
7-7/8"	5-1/2" J-55	15.5#		6010'		325 PRIMLITE																																																																																			
						425 50/50 POZ																																																																																			
24. Tubing Record																																																																																									
<table border="1" style="width:100%"><thead><tr><th>Size</th><th>Depth Set (MD)</th><th>Packer Depth (MD)</th><th>Size</th><th>Depth Set (MD)</th><th>Packer Depth (MD)</th><th>Size</th><th>Depth Set (MD)</th><th>Packer Depth (MD)</th></tr></thead><tbody><tr><td>2-7/8"</td><td>EOT@ 5815'</td><td>TA @ 5689'</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>										Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	2-7/8"	EOT@ 5815'	TA @ 5689'																																																																				
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)																																																																																	
2-7/8"	EOT@ 5815'	TA @ 5689'																																																																																							
25. Producing Intervals																																																																																									
<table border="1" style="width:100%"><thead><tr><th>Formation</th><th>Top</th><th>Bottom</th><th>Perforated Interval</th><th>Size</th><th>No. Holes</th><th>Perf. Status</th></tr></thead><tbody><tr><td>A) GRRV</td><td></td><td></td><td>(CP4) 5720-30'</td><td>.49"</td><td>4</td><td>40</td></tr><tr><td>B) per operator</td><td></td><td></td><td>(CP3), (CP2), (CP1)</td><td>.49"</td><td>4</td><td>184</td></tr><tr><td>C)</td><td></td><td></td><td>(A3) 5158-5172'</td><td>.49"</td><td>4</td><td>56</td></tr><tr><td>D)</td><td></td><td></td><td>(B2) 500212', 4983-98'</td><td>.49"</td><td>4</td><td>100</td></tr></tbody></table>										Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	A) GRRV			(CP4) 5720-30'	.49"	4	40	B) per operator			(CP3), (CP2), (CP1)	.49"	4	184	C)			(A3) 5158-5172'	.49"	4	56	D)			(B2) 500212', 4983-98'	.49"	4	100																																													
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status																																																																																			
A) GRRV			(CP4) 5720-30'	.49"	4	40																																																																																			
B) per operator			(CP3), (CP2), (CP1)	.49"	4	184																																																																																			
C)			(A3) 5158-5172'	.49"	4	56																																																																																			
D)			(B2) 500212', 4983-98'	.49"	4	100																																																																																			
26. Perforation Record 4844																																																																																									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.																																																																																									
<table border="1" style="width:100%"><thead><tr><th>Depth Interval</th><th>Amount and Type of Material</th></tr></thead><tbody><tr><td>5720-5730'</td><td>Frac w/ 28363# of 20/40 sand 422 bbls fluid</td></tr><tr><td>5528-5642'</td><td>Frac w/ 120260# 20/40 sand 866 bbls fluid</td></tr><tr><td>5158-5172'</td><td>Frac w/ 28649# 20/40 sand 395 bbls fluid</td></tr><tr><td>4983-5012'</td><td>Frac w/ 61837# 20/40 sand 525 bbls fluid</td></tr></tbody></table>										Depth Interval	Amount and Type of Material	5720-5730'	Frac w/ 28363# of 20/40 sand 422 bbls fluid	5528-5642'	Frac w/ 120260# 20/40 sand 866 bbls fluid	5158-5172'	Frac w/ 28649# 20/40 sand 395 bbls fluid	4983-5012'	Frac w/ 61837# 20/40 sand 525 bbls fluid																																																																						
Depth Interval	Amount and Type of Material																																																																																								
5720-5730'	Frac w/ 28363# of 20/40 sand 422 bbls fluid																																																																																								
5528-5642'	Frac w/ 120260# 20/40 sand 866 bbls fluid																																																																																								
5158-5172'	Frac w/ 28649# 20/40 sand 395 bbls fluid																																																																																								
4983-5012'	Frac w/ 61837# 20/40 sand 525 bbls fluid																																																																																								
28. Production - Interval A																																																																																									
<table border="1" style="width:100%"><thead><tr><th>Date First Produced</th><th>Test Date</th><th>Hours Tested</th><th>Test Production</th><th>Oil BBL</th><th>Gas MCF</th><th>Water BBL</th><th>Oil Gravity Corr. API</th><th>Gas Gravity</th><th>Production Method</th></tr></thead><tbody><tr><td>10/23/08</td><td>11/12/08</td><td>24</td><td>→</td><td>75</td><td>49</td><td>143</td><td></td><td></td><td>2-1/2" x 1-13/4" x 20' X 20.5' RHAC Pump W/SM Plunger</td></tr><tr><td>Choke Size</td><td>Tbg. Press. Flwg. SI</td><td>Csg. Press.</td><td>24 Hr. Rate</td><td>Oil BBL</td><td>Gas MCF</td><td>Water BBL</td><td>Gas/Oil Ratio</td><td>Well Status</td><td>PRODUCING</td></tr><tr><td></td><td></td><td></td><td>→</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>										Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	10/23/08	11/12/08	24	→	75	49	143			2-1/2" x 1-13/4" x 20' X 20.5' RHAC Pump W/SM Plunger	Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING				→																																														
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method																																																																																
10/23/08	11/12/08	24	→	75	49	143			2-1/2" x 1-13/4" x 20' X 20.5' RHAC Pump W/SM Plunger																																																																																
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING																																																																																
			→																																																																																						
28a. Production - Interval B																																																																																									
<table border="1" style="width:100%"><thead><tr><th>Date First Produced</th><th>Test Date</th><th>Hours Tested</th><th>Test Production</th><th>Oil BBL</th><th>Gas MCF</th><th>Water BBL</th><th>Oil Gravity Corr. API</th><th>Gas Gravity</th><th>Production Method</th></tr></thead><tbody><tr><td></td><td></td><td></td><td>→</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Choke Size</td><td>Tbg. Press. Flwg. SI</td><td>Csg. Press.</td><td>24 Hr. Rate</td><td>Oil BBL</td><td>Gas MCF</td><td>Water BBL</td><td>Gas/Oil Ratio</td><td>Well Status</td><td></td></tr><tr><td></td><td></td><td></td><td>→</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>										Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				→							Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status					→																																														
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method																																																																																
			→																																																																																						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status																																																																																	
			→																																																																																						

\*(See instructions and spaces for additional data on page 2)

RECEIVED

NOV 25 2008

DIV. OF OIL, GAS &amp; MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3648' 3842'
				GARDEN GULCH 2 POINT 3	3961 4225'
				X MRKR Y MRKR	4475' 4512'
				DOUGALS CREEK MRK BI CARBONATE MRK	4646' 4891'
				B LIMESTON MRK CASTLE PEAK	5023' 5480'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5913' 6021'

## 32. Additional remarks (include plugging procedure):

(C) 4844-4852' .49" 4/32 4844-4852' Frac w/ 30931# sand in 375 bbls of fluid.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tammi LeeTitle Production ClerkSignature Date 11/18/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 10**

**G-10-9-17**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**30 September, 2008**

**HATHAWAY HBBURNHAM**

**DIRECTIONAL & MWD SERVICES**



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 10  
**Well:** G-10-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well G-10-9-17  
**TVD Reference:** G-10-9-17 @ 5161.0ft (KB ELEVATION)  
**MD Reference:** G-10-9-17 @ 5161.0ft (KB ELEVATION)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		Using geodetic scale factor

**Site** SECTION 10, SEC 10 TT9S, R17E  
**Site Position:**  
**From:** Lat/Long **Northing:** 7,188,895.00 ft **Latitude:** 40° 2' 44.227 N  
**Position Uncertainty:** 0.0 ft **Easting:** 2,062,318.00 ft **Longitude:** 109° 59' 34.330 W  
**Slot Radius:** " **Grid Convergence:** 0.97 °

**Well** G-10-9-17, SHL, LAT:40 02 50.02, LONG:109 59 59.70  
**Well Position** **+N/-S** 0.0 ft **Northing:** 7,189,447.86 ft **Latitude:** 40° 2' 50.020 N  
**+E/-W** 0.0 ft **Easting:** 2,060,335.55 ft **Longitude:** 109° 59' 59.700 W  
**Position Uncertainty** 0.0 ft **Wellhead Elevation:** ft **Ground Level:** 0.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	7/30/2008	11.64	65.89	52,593

**Design** Wellbore #1  
**Audit Notes:**  
**Version:** 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0  
**Vertical Section:** **Depth From (TVD)** **+N/-S** **+E/-W** **Direction**  
 (ft) (ft) (ft) (°)  
 0.0 0.0 0.0 36.51

<b>Survey Program</b>	<b>Date</b> 9/29/2008			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
427.0	5,965.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
427.0	0.42	70.48	427.0	0.5	1.5	1.3	0.10	0.10	0.00
457.0	0.53	71.14	457.0	0.6	1.7	1.5	0.37	0.37	2.20
488.0	0.86	71.43	488.0	0.7	2.1	1.8	1.06	1.06	0.94
518.0	1.32	74.11	518.0	0.9	2.6	2.3	1.54	1.53	8.93
549.0	1.63	69.85	549.0	1.1	3.4	2.9	1.06	1.00	-13.74
580.0	1.63	67.56	580.0	1.5	4.2	3.7	0.21	0.00	-7.39
610.0	1.87	72.68	610.0	1.8	5.1	4.4	0.95	0.80	17.07
641.0	1.85	76.48	640.9	2.0	6.0	5.2	0.40	-0.06	12.26
672.0	1.93	78.41	671.9	2.3	7.0	6.0	0.33	0.26	6.23
702.0	2.11	92.98	701.9	2.3	8.1	6.7	1.81	0.60	48.57
733.0	2.46	93.00	732.9	2.3	9.3	7.4	1.13	1.13	0.06
764.0	2.53	95.00	763.8	2.2	10.6	8.1	0.36	0.23	6.45



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 10  
 Well: G-10-9-17  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well G-10-9-17  
 TVD Reference: G-10-9-17 @ 5161.0ft (KB ELEVATION)  
 MD Reference: G-10-9-17 @ 5161.0ft (KB ELEVATION)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
795.0	2.74	90.00	794.8	2.1	12.1	8.9	1.00	0.68	-16.13
826.0	2.77	86.40	825.8	2.2	13.6	9.8	0.57	0.10	-11.61
857.0	2.35	84.70	856.7	2.3	14.9	10.7	1.38	-1.35	-5.48
888.0	2.72	70.29	887.7	2.6	16.3	11.7	2.37	1.19	-46.48
920.0	3.65	66.42	919.7	3.2	17.9	13.3	2.98	2.91	-12.09
951.0	4.20	61.66	950.6	4.2	19.8	15.1	2.06	1.77	-15.35
982.0	5.04	56.52	981.5	5.5	22.0	17.4	3.02	2.71	-16.58
1,013.0	5.97	54.34	1,012.3	7.2	24.4	20.3	3.07	3.00	-7.03
1,045.0	6.57	48.41	1,044.2	9.3	27.1	23.6	2.76	1.88	-18.53
1,076.0	7.33	48.85	1,074.9	11.8	29.9	27.3	2.46	2.45	1.42
1,107.0	7.65	49.15	1,105.7	14.5	33.0	31.3	1.04	1.03	0.97
1,137.0	8.11	46.40	1,135.4	17.2	36.0	35.3	1.98	1.53	-9.17
1,169.0	8.99	44.97	1,167.0	20.6	39.4	40.0	2.83	2.75	-4.47
1,200.0	9.47	40.31	1,197.6	24.2	42.8	44.9	2.86	1.55	-15.03
1,231.0	10.30	37.71	1,228.2	28.4	46.1	50.2	3.04	2.68	-8.39
1,262.0	11.10	35.71	1,258.6	33.0	49.6	56.0	2.84	2.58	-6.45
1,294.0	11.40	31.71	1,290.0	38.2	53.0	62.2	2.61	0.94	-12.50
1,325.0	11.36	32.45	1,320.4	43.3	56.3	68.3	0.49	-0.13	2.39
1,356.0	11.23	31.79	1,350.8	48.5	59.5	74.4	0.59	-0.42	-2.13
1,387.0	12.00	31.37	1,381.2	53.8	62.8	80.6	2.50	2.48	-1.35
1,419.0	12.70	30.45	1,412.4	59.7	66.3	87.4	2.27	2.19	-2.88
1,450.0	12.57	28.87	1,442.7	65.6	69.6	94.1	1.19	-0.42	-5.10
1,544.0	12.63	27.68	1,534.4	83.6	79.4	114.4	0.28	0.06	-1.27
1,637.0	13.62	30.93	1,625.0	102.0	89.7	135.4	1.33	1.06	3.49
1,731.0	12.83	29.83	1,716.5	120.6	100.6	156.8	0.88	-0.84	-1.17
1,825.0	9.95	25.09	1,808.6	137.0	109.2	175.1	3.22	-3.06	-5.04
1,918.0	11.73	28.03	1,900.0	152.6	117.1	192.3	2.00	1.91	3.16
2,012.0	12.92	28.54	1,991.8	170.3	126.6	212.2	1.27	1.27	0.54
2,105.0	14.19	26.65	2,082.2	189.6	136.7	233.7	1.45	1.37	-2.03
2,199.0	13.51	22.20	2,173.5	210.1	146.0	255.7	1.34	-0.72	-4.73
2,292.0	13.48	22.07	2,263.9	230.2	154.2	276.7	0.05	-0.03	-0.14
2,386.0	14.33	24.36	2,355.2	250.9	163.1	298.7	1.08	0.90	2.44
2,480.0	12.60	17.96	2,446.6	271.3	171.0	319.8	2.43	-1.84	-6.81
2,573.0	11.98	20.91	2,537.4	289.9	177.6	338.7	0.95	-0.67	3.17
2,667.0	13.60	28.32	2,629.1	308.8	186.3	359.0	2.45	1.72	7.88
2,760.0	12.46	29.02	2,719.7	327.2	196.4	379.8	1.24	-1.23	0.75
2,853.0	12.88	31.50	2,810.5	344.8	206.7	400.1	0.74	0.45	2.67
2,947.0	13.01	32.03	2,902.1	362.7	217.8	421.1	0.19	0.14	0.56
3,041.0	13.91	34.89	2,993.5	380.9	229.8	442.9	1.19	0.96	3.04
3,135.0	14.11	36.40	3,084.7	399.4	243.1	465.7	0.44	0.21	1.61
3,228.0	13.12	36.21	3,175.1	417.1	256.1	487.6	1.07	-1.06	-0.20
3,322.0	12.08	41.61	3,266.8	433.0	268.9	508.0	1.67	-1.11	5.74
3,416.0	12.11	44.25	3,358.7	447.4	282.3	527.6	0.59	0.03	2.81
3,510.0	13.03	45.74	3,450.5	461.9	296.8	547.8	1.04	0.98	1.59
3,604.0	10.96	41.47	3,542.4	476.0	310.3	567.2	2.39	-2.20	-4.54
3,698.0	12.77	44.42	3,634.4	490.1	323.5	586.4	2.03	1.93	3.14
3,791.0	12.57	44.18	3,725.1	504.7	337.7	606.6	0.22	-0.22	-0.26
3,885.0	11.27	47.19	3,817.1	518.3	351.6	625.8	1.53	-1.38	3.20
3,979.0	11.56	46.53	3,909.2	531.0	365.2	644.1	0.34	0.31	-0.70
4,072.0	12.44	44.40	4,000.2	544.6	378.9	663.2	1.06	0.95	-2.29
4,166.0	13.89	39.09	4,091.7	560.6	393.1	684.5	2.01	1.54	-5.65
4,260.0	13.56	30.60	4,183.1	578.8	405.9	706.7	2.17	-0.35	-9.03
4,353.0	13.51	35.04	4,273.5	597.1	417.6	728.4	1.12	-0.05	4.77
4,448.0	13.43	35.63	4,365.9	615.1	430.4	750.5	0.17	-0.08	0.62



# Hathaway Burnham

## Survey Report



Company: NEWFIELD EXPLORATION  
Project: USGS Myton SW (UT)  
Site: SECTION 10  
Well: G-10-9-17  
Wellbore: Wellbore #1  
Design: Wellbore #1

Local Co-ordinate Reference: Well G-10-9-17  
TVD Reference: G-10-9-17 @ 5161.0ft (KB ELEVATION)  
MD Reference: G-10-9-17 @ 5161.0ft (KB ELEVATION)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,541.0	13.00	43.08	4,456.4	631.6	443.9	771.7	1.89	-0.46	8.01
4,635.0	14.06	45.48	4,547.8	647.3	459.2	793.5	1.28	1.13	2.55
4,729.0	14.13	40.18	4,639.0	664.1	474.8	816.2	1.37	0.07	-5.64
4,822.0	13.73	42.23	4,729.3	680.9	489.5	838.5	0.68	-0.43	2.20
4,916.0	12.48	43.65	4,820.8	696.5	504.0	859.7	1.37	-1.33	1.51
5,010.0	12.17	42.78	4,912.6	711.1	517.8	879.6	0.38	-0.33	-0.93
5,103.0	12.11	39.90	5,003.6	725.8	530.7	899.1	0.65	-0.06	-3.10
5,197.0	11.43	43.37	5,095.6	740.2	543.4	918.2	1.04	-0.72	3.69
5,290.0	12.48	45.46	5,186.6	753.9	556.9	937.3	1.22	1.13	2.25
5,309.4	12.56	45.72	5,205.5	756.9	559.9	941.5	0.51	0.42	1.34
<b>G-10-9-17 TGT</b>									
5,384.0	12.88	46.69	5,278.3	768.2	571.8	957.6	0.51	0.43	1.30
5,477.0	11.73	42.91	5,369.1	782.2	585.8	977.2	1.51	-1.24	-4.06
5,571.0	10.77	43.74	5,461.3	795.6	598.3	995.4	1.04	-1.02	0.88
5,665.0	10.39	46.82	5,553.7	807.7	610.6	1,012.5	0.72	-0.40	3.28
5,759.0	8.85	52.82	5,646.4	817.9	622.5	1,027.8	1.95	-1.64	6.38
5,853.0	7.54	58.22	5,739.4	825.5	633.5	1,040.4	1.61	-1.39	5.74
5,965.0	6.48	68.70	5,850.6	831.7	645.7	1,052.6	1.48	-0.95	9.36

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



```

H      HEADER      INFORMATION -----
H      COMPANY    :      NEWFIELD EXPLORATION
H      FIELD      :      USGS      Myton      SW      (UT)
H      SITE       :      SECTION      10
H      WELL       :      G-10-9-17
H      WELLPATH: Wellbore      #1
H      DEPTHUNT: ft
H      SURVDATE: 9/29/2008
H      DECLINATION CORR.
H      =          10.68 TO      GRIDH-----
H      WELL      INFORMATION
H      WELL      EW      MAP      :      2060336
H      WELL      NS      MAP      :      7189448
H      DATUM     ELEVN      :      5161
H      VSECT     ANGLE      :      36.51
H      VSECT     NORTH      :      0
H      VSECT     EAST      :      0
H-----
H      SURVEY     TYPE      INFORMATION
H      427 -      5965 SURVEY #1      :      MWD
H-----
H      SURVEY     LIST
MD      INC      AZI      TVD      NS      EW      VS      DLS
0      0      0      0      0      0      0      0
427      0.42      70.48      427      0.52      1.48      1.3      0.1
457      0.53      71.14      457      0.6      1.71      1.5      0.37
488      0.86      71.43      487.99      0.72      2.07      1.81      1.06
518      1.32      74.11      517.99      0.89      2.61      2.27      1.54
549      1.63      69.85      548.98      1.14      3.37      2.92      1.06
580      1.63      67.56      579.96      1.46      4.19      3.67      0.21
610      1.87      72.68      609.95      1.77      5.05      4.43      0.95
641      1.85      76.48      640.93      2.04      6.02      5.22      0.4
672      1.93      78.41      671.92      2.26      7.02      5.99      0.33
702      2.11      92.98      701.9      2.33      8.07      6.67      1.81
733      2.46      93      732.87      2.27      9.3      7.36      1.13
764      2.53      95      763.84      2.17      10.65      8.08      0.36
795      2.74      90      794.81      2.11      12.07      8.88      1
826      2.77      86.4      825.78      2.16      13.56      9.8      0.57
857      2.35      84.7      856.75      2.27      14.94      10.71      1.38
888      2.72      70.29      887.72      2.57      16.26      11.74      2.37
920      3.65      66.42      919.67      3.24      17.91      13.26      2.98
951      4.2      61.66      950.59      4.17      19.82      15.14      2.06
982      5.04      56.52      981.49      5.46      21.95      17.45      3.02
1013      5.97      54.34      1012.35      7.15      24.4      20.26      3.07
1045      6.57      48.41      1044.16      9.34      27.12      23.64      2.76
1076      7.33      48.85      1074.93      11.82      29.93      27.31      2.46
1107      7.65      49.15      1105.66      14.47      32.98      31.25      1.04

```

1137	8.11	46.4	1135.38	17.23	36.03	35.28	1.98
1169	8.99	44.97	1167.03	20.56	39.43	39.98	2.83
1200	9.47	40.31	1197.62	24.22	42.79	44.92	2.86
1231	10.3	37.71	1228.16	28.35	46.13	50.24	3.04
1262	11.1	35.71	1258.63	32.97	49.57	55.99	2.84
1294	11.4	31.71	1290.01	38.16	53.03	62.22	2.61
1325	11.36	32.45	1320.4	43.34	56.28	68.32	0.49
1356	11.23	31.79	1350.8	48.48	59.51	74.37	0.59
1387	12	31.37	1381.17	53.8	62.78	80.59	2.5
1419	12.7	30.45	1412.43	59.67	66.29	87.4	2.27
1450	12.57	28.87	1442.67	65.57	69.65	94.14	1.19
1544	12.63	27.68	1534.41	83.62	79.36	114.43	0.28
1637	13.62	30.93	1624.98	102.02	89.71	135.37	1.33
1731	12.83	29.83	1716.49	120.57	100.59	156.76	0.88
1825	9.95	25.09	1808.63	136.98	109.23	175.09	3.22
1918	11.73	28.03	1899.97	152.61	117.08	192.31	2
2012	12.92	28.54	1991.8	170.27	126.59	212.17	1.27
2105	14.19	26.65	2082.21	189.59	136.67	233.7	1.45
2199	13.51	22.2	2173.48	210.06	145.99	255.69	1.34
2292	13.48	22.07	2263.91	230.16	154.16	276.71	0.05
2386	14.33	24.36	2355.15	250.91	163.08	298.7	1.08
2480	12.6	17.96	2446.57	271.27	171.04	319.79	2.43
2573	11.98	20.91	2537.44	289.93	177.61	338.71	0.95
2667	13.6	28.32	2629.11	308.78	186.34	359.04	2.45
2760	12.46	29.02	2719.72	327.18	196.39	379.81	1.24
2853	12.88	31.5	2810.45	344.79	206.68	400.09	0.74
2947	13.01	32.03	2902.06	362.69	217.76	421.07	0.19
3041	13.91	34.89	2993.48	380.93	229.84	442.92	1.19
3135	14.11	36.4	3084.68	399.42	243.1	465.67	0.44
3228	13.12	36.21	3175.07	417.06	256.06	487.56	1.07
3322	12.08	41.61	3266.81	433.02	268.9	508.03	1.67
3416	12.11	44.25	3358.72	447.44	282.31	527.59	0.59
3510	13.03	45.74	3450.47	461.9	296.78	547.82	1.04
3604	10.96	41.47	3542.41	475.99	310.29	567.19	2.39
3698	12.77	44.42	3634.4	490.11	323.48	586.38	2.03
3791	12.57	44.18	3725.14	504.71	337.72	606.59	0.22
3885	11.27	47.19	3817.11	518.29	351.59	625.76	1.53
3979	11.56	46.53	3909.25	531.01	365.16	644.06	0.34
4072	12.44	44.4	4000.22	544.57	378.94	663.16	1.06
4166	13.89	39.09	4091.75	560.57	393.14	684.46	2.01
4260	13.56	30.6	4183.07	578.81	405.86	706.69	2.17
4353	13.51	35.04	4273.49	597.09	417.65	728.4	1.12
4448	13.43	35.63	4365.88	615.14	430.45	750.52	0.17
4541	13	43.08	4456.42	631.56	443.88	771.71	1.89
4635	14.06	45.48	4547.81	647.29	459.25	793.5	1.28
4729	14.13	40.18	4638.99	664.06	474.79	816.23	1.37
4822	13.73	42.23	4729.25	680.91	489.53	838.54	0.68

			TVD	N/S	E/W		
4916	12.48	43.65	4820.8	696.52	504.04	859.72	1.37
5010	12.17	42.78	4912.64	711.14	517.78	879.64	0.38
5103	12.11	39.9	5003.56	725.82	530.7	899.12	0.65
5197	11.43	43.37	5095.58	740.15	543.42	918.22	1.04
5290	12.48	45.46	5186.56	753.9	556.91	937.29	1.22
5384	12.88	46.69	5278.27	768.21	571.77	957.64	0.51
5477	11.73	42.91	5369.13	782.25	585.75	977.23	1.51
5571	10.77	43.74	5461.33	795.59	598.33	995.44	1.04
5665	10.39	46.82	5553.73	807.74	610.58	1012.5	0.72
5759	8.85	52.82	5646.41	817.91	622.53	1027.78	1.95
5853	7.54	58.22	5739.45	825.53	633.53	1040.45	1.61
5965	6.48	68.7	5850.61	831.69	645.67	1052.62	1.48



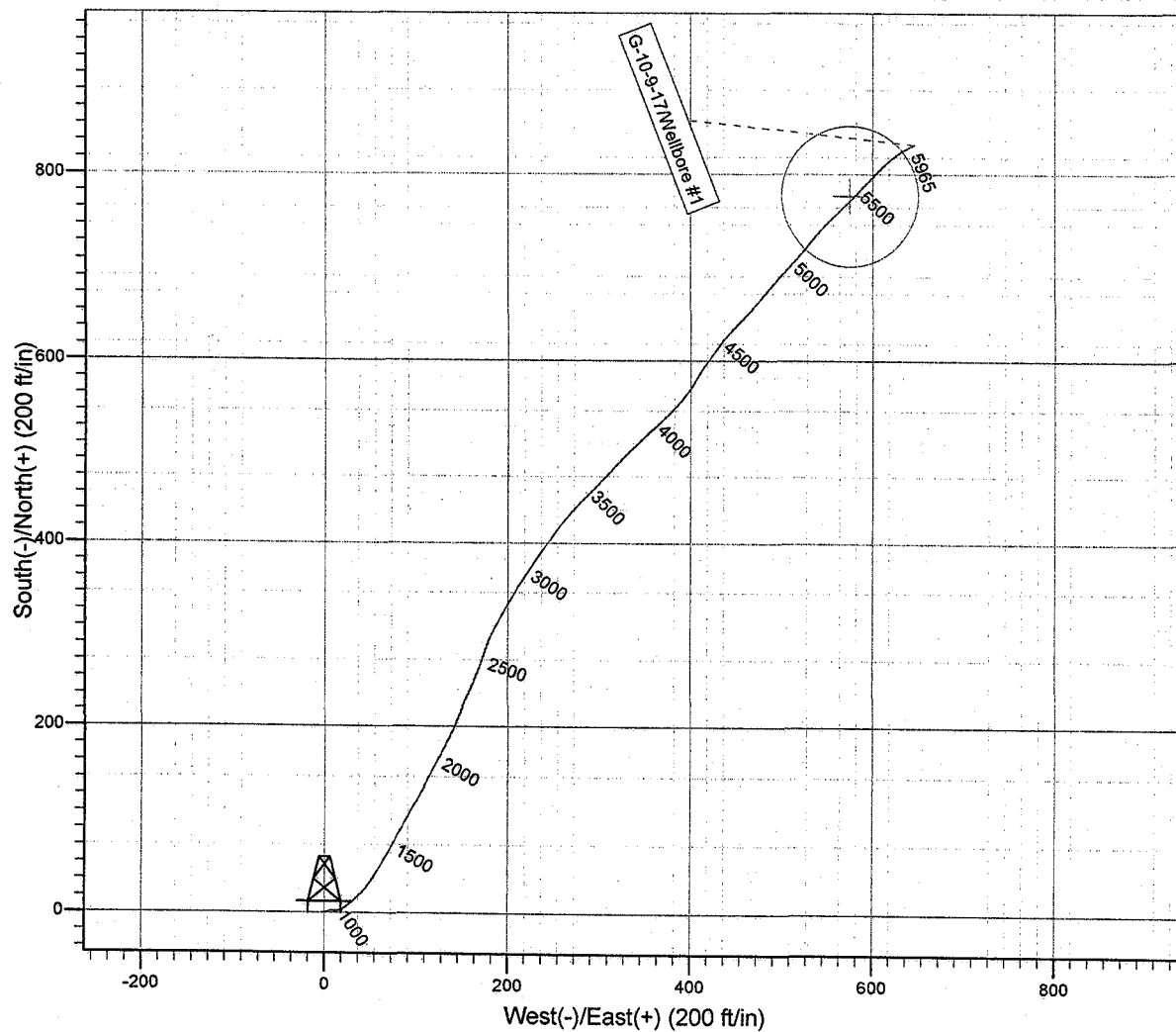
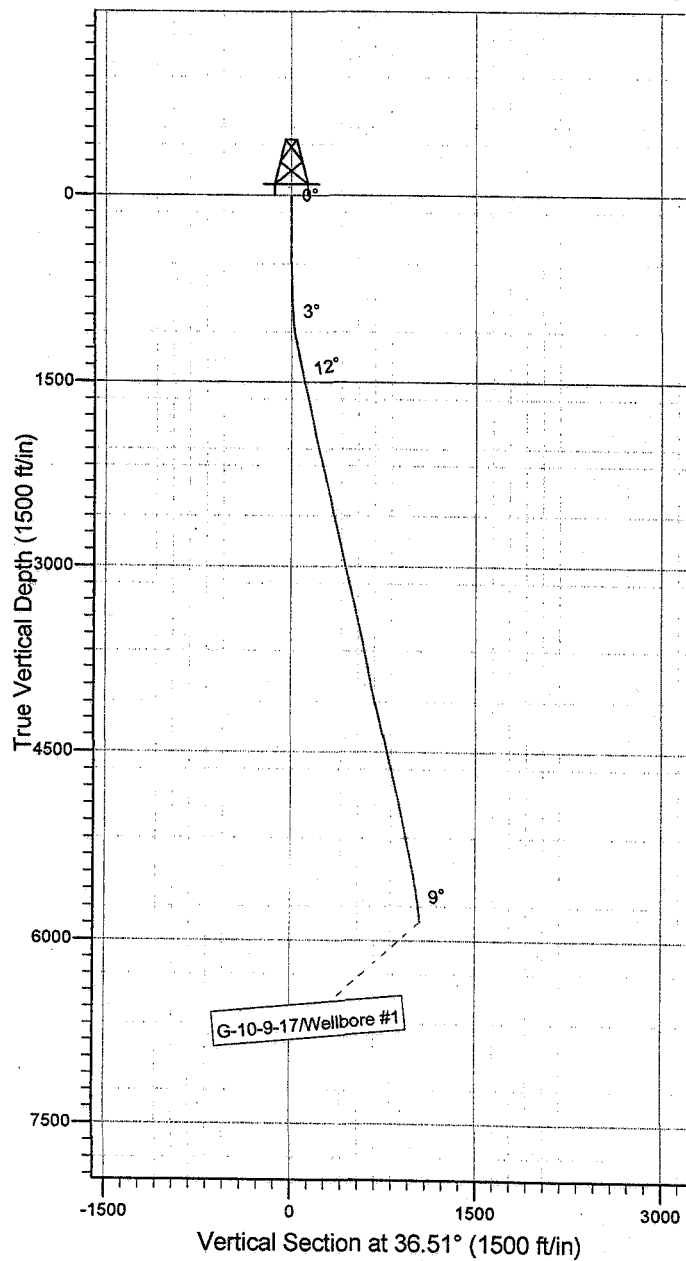
Project: USGS Myton SW (UT)  
Site: SECTION 10  
Well: G-10-9-17  
Wellbore: Wellbore #1  
Design: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
Magnetic North: 11.64°

Magnetic Field  
Strength: 52593.3snT  
Dip Angle: 65.89°  
Date: 7/30/2008  
Model: IGRF200510



HATHAWAY BURNHAM  
DIRECTIONAL & MWD SERVICES

Design: Wellbore #1 (G-10-9-17/Wellbore #1)

Created By: *Jim Hudson* Date: 8:53, September 30 2008

THIS SURVEY IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD  
DATA.